CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Hydro-electric development, Washington, D. C., Potomac River Corp., R. J. Bulkey, pres., making preliminary surveys, $60,000,000.

Dock and warehouse, Cleveland, O., Cleveland Ry., Harbor & Terminal Co., et al., having plans prepared, $12,000,000.

Paving, Independence, Mo., Jackson Co., making surveys, $6,465,000.

University, Kansas City, Mo., Lincoln & Lee University having plans prepared, $5,000,000.

Club, New York, N. Y., New York Athletic Club, soon takes bids general contract, $4,800,000.

Theatre, office and garage, San Francisco, Calif., F. E. Morgan, et al, having plans prepared, $3,500,000.

Arena, Philadelphia, Pa., E. L. Rothschild, archt., preparing plans, $3,000,000.

Traffic level, New York, N. Y., Dept. Plant & Structures, plans, $3,000,000.

Paving, Corsicana, Tex., Navarro Co., voted bonds, $2,690,000.

Oil pipe line, California, Shell Co. of California plans, $2,000,000.

Hotel, San Jose, Calif., San Jose Hotel Corp., having preliminary plans prepared, $1,500,000.

Hospital, Boston, Mass., Woodland Hospital, takes bids about July 1, $1,500,000.

Theatre, store, hotel, office, Chicago, Ill., B. F. Lindheimer, having plans prepared, $1,500,000.

High school, Glendale, Calif., Glendale Bd. Educ., voted bonds, $1,300,000.

Road improvement, Anadarko, Okla., Co., voted bonds, $1,225,000.

Sewers, Los Angeles, Calif., plans, $1,125,000.

Bids Desired

Passenger station, Buffalo, N. Y., July 12, by New York Central R.R. Co., $12,000,000.

Capitol, Lincoln, Neb., Sept. 15, by State Capitol Comn., $2,000,000.

Bids Received

City Hall, Philadelphia, Pa., Dept. Pub. Wks. general contract from F. W. Mark Co., and others totalling $1,306,938.

Contracts Awarded

Bridge, Vancouver, B. C., Lions Gate Bridge Co., to Armstrong, Morrison & Co., $3,500,000.

Mail order house, Minneapolis, Minn., Sears, Roebuck & Co., general contract to J. H. Beuttas, Chicago, Ill., between $2,000,000 and $3,000,000.

Excavation, etc., Chicago, Ill., South Park Comrs., to Construction Material Co. and others, totaling $2,816,091.

Loft, New York, N. Y., Eljac Realty Corp., will build by separate contracts, $1,500,000.

Apartment, Pittsburgh, Pa., Morewood Gardens Co., general contract to H. Miller & Sons, $1,400,000.

Store, New York, N. Y., A. Di Pinna Co., Inc., to Starrett Bros., Inc., $1,000,000.

Hospital, Muncie, Ind., Muncie Home Hospital, general contract to A. Glaser, $1,000,000.

News of the Week

Waterworks

Proposed Work

N. J., Milltown—Making plans additional waterworks $30,000. C. P. Stelle, 15 Johnson Pl., Highland Park, engr.

Miss., Tylertown — Making preliminary plans 100,000 gal. concrete reservoir, 2,750 g.p.m. pumping equipment, 6 and 8 in. mains, etc. in various streets.

Tenn., Nashville — Making surveys extending 2 mi, c.i. mains in East Nashville. To exceed $15,000. H. E. Howse, mayor.

O., Columbus—E. G. Bradbury, sanitary engr. Franklin Co., Court House Annex, made plans 18,960 ft. 6- to 16-in. c.i. mains from South High St., viaduct to Southland addition, Marion Twp. $68,615; 31,655 ft. 4- to 8-in. c.i. mains in Minerva Park addition, Mifflin Twp., $76,428; 14,750 ft. 4- to 8-in. c.i. mains Main St. Terrace addition, Crescent Heights $37,133, 16,771 ft. 6- to 16-in. mains across Bexley $159,836, 16,660 ft. 4- to 8-in. c.i. mains Eastminster addition $41,573, and 4,235 ft. 6 in. c.i. mains Chase Ave. $13,817, all foregoing in Truro Twp.; also 6,590 ft. 6- to 8-in. c.i. mains Bexley Annex, $17,219.

O., Peebles—Making plans pumping station, storage reservoirs, mains, etc. in various streets. $60,000. Jennings Lawrence Co., Hartman Bldg., Columbus, engrs.

Wis., Abbotsford—City, c/o F. Moecker, clk., making plans complete waterworks. $58,000. Druar & Millinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Neb., Beatrice—Defeated $30,000 bonds, 2 m.g. reservoir at pumping plant. C. E. Thornburgh, Beatrice, engr. Noted Apr. 28.

Neb., Gordon—K. C. Matheson, city clk., rejected bids June 2, watermains Henningson Eng. Co., Natl. Bank Bldg., Omaha, engrs. Noted May 26.

Neb., Lincoln—Making preliminary plans filtration system for swimming pool, incl. filters, aerators and filter house, $20,000; also one 6 and one 1 m.g. reservoirs. D. L. Erickson, city engr.

N. D., Dickinson — Defeated $75,000 bonds, extending waterworks, incl. 500,000 gal. reservoir, wells, pumping equipment, etc. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs. Noted May 12.

Mo., Columbia—Making plans and surveys improving waterworks, incl. reservoir, etc. To exceed $15,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, engrs.

Mo., Macon—Voted $165,000 bonds, improving waterworks, incl. earth dam. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, engrs.

Tex., Alamo Heights — Voted $25,000 bonds, waterworks improvements. Address R. O'Grady, mayor.

Tex., Kirbyville — Voted $50,000 bonds, complete waterworks. Address Mayor.

Okla., Cordell — Making preliminary plans extending 10,600 ft. 4 and 6 in. c.i. mains in various streets. $15,000. C. A. Wood, Stillwater, engr.

Okla., Davidson—Making plans new waterworks. $20,000. P. Sullivan, Temple, engr.

Okla., Earlsboro—Voted $175,000 bonds, new waterworks. E. W. Gantt, 1116 West Main St., Oklahoma City, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla, Lone Wolf—Making plans waterworks, incl. new well, pump, motor, main extensions, etc. P. Sullivan, Temple, engr.

Okla., McLoud — Making surveys new waterworks. $60,000. E. W. Gant, 1116 West St., Oklahoma City, engr.

Okla., Wanette — Making preliminary plans waterworks extensions, incl. 2 deep well pumps and motors, 29,700 ft. 4- to 8-in. c.i. pipe, etc. C. A. Wood, Stillwater, engr.

Wash., Anacostes—Making revised plans two 500,000 gal. additional filter units for waterworks. Former bids rejected. Noted Apr. 21.

Calif., Arcadia—G. G. Meade, city clk., plans pump house and reservoir, etc. in southern section city.

Calif., Eureka—Plans redwood tank 65 ft. diam., 778,000 gal. capacity, etc.

Calif., Monterey Park—See "Contracts Awarded."

Calif., Ontario—San Bernardino Co. (San Bernardino) plans waterworks in district west of here. $60,000.

Calif., Redwood City—Ravenswood Water Dist. made plans 23,300 ft. 4- to 8-in. riveted steel and 8,700 ft. 2 in. galanized pipe, etc. G. A. Kneese, Court House, engr. Noted Apr. 21.

Que., Three Rivers — Plans extending aqueduct, also 17,400 lin.ft. 6- to 12-in. c.i. pipe. $59,000. Z. Lambert, Three Rivers, engr. Noted Apr. 14.

Bids Desired

Mass., Boston—July 15, at office Metropolitan Dist. Water Supply Comn., 24 School St., 6750 ft. 20 in. c.i. mains and small diversion dam in Hopkinton. F. E. Winsor, ch. engr.; adv. E. N.-R. June 23.

Mass., East Bridgewater—July 5, by Bd. Water Comrs., 33 tons Class "B" bell and spigot type c.i. pipe, 12 ft. lengths, according to specifications of Amer. Water Wks. Assn., f.o.b. here. M. J. McCarthy, clk.

N. Y., Brooklyn — June 28, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Avenues L, R, T and Z, Bedford, Benson, De Witt, Lancaster, New York Aves., etc.

N. Y., Long Island City—June 28, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, altering structures along 72 in. steel pipe line, necessitated by construction Conduit Blvd., Nassau Co., here.

N. J., Hammonton—July 7, by Bd. Water Comrs., Waterworks Bldg., M. E. Wilson, secy., approximately 4,882 ft. 2 and 6 in. main extensions. M. E. Wilson, secy.; adv. E. N.-R. June 16.

Pa., Pittsburgh—Taking bids steam turbine driven centrifugal pumps, foundations, water and steam piping and appurtenances at Ross Pumping Sta. $210,000. Dept. Pub. Wks., City County Bldg., engr.

Md., Easton—July 11, by Easton Utilities Comn., constructing 250,000 gal. water tank on tower, steel. E. G. Kastenhuher, Jr., town engr.; adv. E. N.-R. June 23. Noted Mar. 24.

La., Winnfield—June 28, by H. T. Willis, city clk., 17,550 ft. 6 in. c.i. and 19,370 ft. 2½ in. gal. wrought iron pipe, 9.55 tons 6 in. specials, etc. $44,000. C. D. Evans, 414 Levy Bldg., Shreveport, engr. Former bids rejected. Noted May 17.

Mich., Wyandotte — July 5, by City, mains in Special Assessment Dists. 87, 88, 89, 90, 97, 98 and 99. Hubbell, Hartgering

See proposal advertising on page 136

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)
& Roth, 2640 Buhl Bldg., Detroit, engrs.; adv. E. N.-R. June 23.

Ia., Newton—July 7, by City, waterworks improvements. V. H. Lear, city engr.; adv. E. N.-R. June 23. Noted Apr. 21.

Ia., Ottumwa—June 29, by City Water Dept., one 300,000 and one 400,000 gal. elevated steel tanks, etc. $25,000. H. A. Brown, 310 South Wapello St., supt.

Tex., Brownsville—July 1, by A. E. Munday, city secy., one 3,000 and one 5,000 kw turbo driven generator complete with condenser, circulating pump, necessary piping and switchboards. Engineer not announced.

Tex., Laredo—July 7, by Central Power & Light Co., S. M. Udden, mgr., c/o Forst Bldg., San Antonio, rein.-con. and brick pumping station and filter plant, incl. concrete intake box, concrete housing of pumping equipment, filters, c.i. pipe, valves, etc. $80,000. Alvord, Burdick & Howson, c/o owners, engrs.

Okla., Sayre—June 27, by H. O. Brown, city clk., 2 wells, pumps, motors and 20,000 ft. 4- to 9-in. c.i. mains in various streets. $53,000. E. W. Gantt, 1116 West Main St., Oklahoma City, engrs. Noted May 26.

Calif., Hanford — J. C. Williams, city clk., taking bids pumping plant, incl. 4 ft. diam. pressure tank, pump and motor, 150 g.p.m., etc., for Lacey Park.

Contracts Awarded

Mass., Revere—Dept. Pub. Wks., laying and relaying mains, etc. in various streets, to C. & R. Constr. Co., 75 Brandeen St., Roslindale, $12,082. Noted June 2.

Conn., West Hartford (br. Hartford)—Water Comn., Hartford, 2,350 ft. 42 in. c.i. bell and spigot pipe line, to O'Neil Bros., 22 Preston St., Hartford, $13,465. Engrs. est. $17,500. Noted June 2.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., fire hydrants in various streets, Bronx Boro, to Knight & DeMicco, Inc., 448 East Tremont Ave., $15,849. Noted May 19.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, June 3, mains in Bard, Bayview Sts., etc., here, to Empire Contg. Co., 21 Park Row, New York City, $25,260. Noted May 28.

Pa., Pittsburgh—City Controller, c.i. pipe line between Braddock and 2nd Aves. (feeder main for Nine Mile Run), to Angelo Lucenti, 7114 Hermitage St., $172,637. Engrs. est. $195,000.

O., Mansfield—Bd. Control, City Hall, 6 m.g. storage concrete covered reservoir, etc., to Rice-Jones Co., 1836 Euclid Ave., Cleveland, $94,610. Noted May 12.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., 11,505 ft. 42 in. welded steel mains in Michigan Ave. from Fordson to Dearborn, to Biggs Constr. Co., Akron, O. $180,339. Noted May 5.

Mich., New Detroit (Detroit P. O.) — Valves, 17 gate wells, 9 hydrants, and 4,100 ft. 6- to 12-in. mains in Plymouth Rd., to Coolsaet Bros., 5010 Middlesex Ave., Detroit, $22,012.

Ill., Elmhurst—Village, 6- to 12-in. mains in various streets, to C. M. Porter, 165 West Wacker Dr., Chicago, $181,203. Noted May 26.

Wis., Milwaukee—For 3,540 ft. 6- to 16-in. c.i. mains in various streets, to Kebhrein Bros., Inc., 1304 11th St., $28,320.

Neb., Gordon—K. C. Matheson, city clk., 150,000 gal. tank and tower, to Omaha Steel Wks., 4802 Leavenworth St., Omaha, $13,400. Noted May 26.

Tex., Merkel—For 24,800 ft. 2- to 8-in. pipe line, to Panhandle Constr. Co., Box 481, Lubbock, $22,433.

Tex., Wichita Falls — For 500,000 gal. steel storage tank, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa. Noted Apr. 7.

Wash., Seattle—See "Streets and Roads."

Calif., El Centro—J. C. Neale, city clk., to Pacific States Cast Iron Pipe Co., 417 South Hill St., Los Angeles, 5,000 ft. 4 in. B. & S. c.i. pipe with pre-caulked joints at $0.5775 per ft., and 2,500 ft. 6 in. $0.885.

Calif., Monterey Park—City Clerk, 61,000 ft. c.i. mains in various streets, and additional work on pipe lines, etc., to C. Fisher, Chamber of Commerce Bldg., Los Angeles, $13,492 and $2,208 respectively. Rejected bids 9,000 ft. 14 in. welded steel pipe line. Will readvertise.

Que., Montreal — For 48 in. mains in various streets, to Laurin & Leitch Co., Ltd., 660 Union St., $765,303. Noted June 9.

Sewers

Proposed Work

R. I., Providence—Plans sewerage works in Croyland Rd., Pleasant Valley Parkway, Sayles, Lauriston, and Maude Sts., Lorimer, Hillside, Glendale and Convent Aves. $25,000 or more. Private plans.

R. I., Providence—Plans sewerage works in Pavalion Ave., Babcock, Rugby, Chapman and Fairbanks Sts. $25,000. J. Smith, com.

Conn., Bridgeport—Plans sewers in 12 various streets and avenues. To exceed $25,000. J. L. McElroy, Room 15, City Hall, engr.

Conn., Winsted—Making plans sewerage system. To exceed $25,000. G. W. Knight, 127 Aycrigg Ave., Passaic, N. J., engr.

O., Columbus—O. Moore, clk. Franklin Co., made plans 4,246 ft. 12- to 18-in. vitr. and 510 ft. 18 in. encased in concrete sewer in Gould Rd., Truro Twp. $60,000. Jennings & Lawrence Co., Hartman Bldg., engrs.

O., Columbus—Franklin Co., O. Moore, clk., soon takes bids, 17,030 ft. 45- to 63-in. rein.-con., segment block or combination sanitary sewer from U. S. Govt. Storage Depot to outlet near Spring Lake, $323,817, 22,025 ft. 6- to 39-in. vitr. sewer in Main St. Terrace $110,636, and 5,500 ft. 8 in. vitr. sewer, etc., in Bexley Annex $12,920, all foregoing in Truro Twp.; and 35,715 ft. 6- to 20-in. vitr. sewer in Minerva Lake, Mifflin Twp., $90,278; also 1,200 ft. 36 in. rein.-con., segment or combination sewer, and 8,135 ft. 8- to 24-in. vitr. sewer, etc., in Castle Terrace, Marion Twp. $43,183. E. G. Bradbury, Court House Annex, sanitary sewer engr.

Ind., Elwood—Making plans 1¼ mi. S. E. Dist. Sewer. $30,000. J. D. Seright, city engr.

Ind., Richmond—Making plans sewers in various streets. $169,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Apr. 7.

O., Ravenna — Bd. Control plans storm sewers in various streets. $25,000.

Mich., Grosse Pointe Farms (mail Grosse Pointe)—Made plans sewers in Moran Rd., Provincial and Grosse Pointe Blvds., Sect. A, 2,608 ft. 21- to 54-in. pipe, etc. and Sect. B, 2,864 ft. 21- to 54-in. pipe, etc. F. P. Walter, village engr.

Mich., Iron River—Made plans 6,771 ft. 8- to 30-in. vitr. crock sewers in various streets. $30,000. Hoad, Decker & Drury, Ann Arbor, engrs.

Mich., Wyandotte—Making plans 76,000 ft. 12- to 24-in. vitr. up to 6½ ft. concrete or brick sewers in various streets. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Mich., Wyandotte—Wayne Co. making plans 45,000 lin.ft. 36 in. to 14 ft. brick or concrete trunk drains in routes here and vicinity. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Decatur — Made preliminary plans large relief sewer 8 to 10 ft. inside diam., serving east and central sections city beginning at Dangamon River below old dam. $1,000,000. M. P. O'Brien, City Hall, engr.

Ill., Princeton—See "Bids Desired."

Ill., Winchester—Takes bids about Sept. 1, sewage disposal plant, lampholes, manholes, and 36,620 ft. 6- to 12-in. vitr. clay sewers in various streets. $70,000. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted Feb. 25, 1926.

Wis Abbotsford—City, c/o F. Moecker, clk., making plans complete sewerage system. $38,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Ia., Dubuque—Making plans sewers in various streets. $35,000. W. Culley, city engr.

Ia., Sutherland—Making plans complete sewage treatment plant, incl. Imhof tank, trickling rock filters, and 18,000 ft. 8- to 12-in. sanitary sewers in various street. $40,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, consult. engrs.

Kan., Abilene—Making plans sewer outfall and pumping plant. $35,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs.

Neb., Fremont — Voted $210,000 bonds, storm sewerage system, L. M. Roessler, city engr.

Mo., Fremont—Making plans sewers in various streets. $200,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, engrs.

Mo., Kansas City—Making plans sanitary sewerage system from Brush Creek Blvd. and Virginia Ave. through Robert Gulham Rd. Valley to 37th St. $350,000. R. Waddell, city engr.

Mo., Manchester—See "Unclassified."

Ark., Pine Bluff—Making revised plans and soon takes bids complete sewerage system, etc., in 43 blocks Sewer Dist. 2. $50,000. G. M. Smith, Natl. Bank Bldg., engr.

Tex., Arlington—Plans sewer improvements, incl. filter plant, extensions and new mains on north side town. $30,000. Myers, Noyes & Forrest, 1107 Mercantile Bank Bldg., engrs.

Tex., Dalhart—Voted $75,000 bonds, complete sewerage system. Devlin Eng. Co., Amarillo, engrs.

Tex Texarkana—Voted $150,000 bonds, extending sewers in various streets. Address C. C. Christian, city engr.

Okla., Cement—Making preliminary plans 4 mi. sewers in all streets. $35,000. J. G. White, city clk. Engineer not selected.

Okla., Earlsboro—Voted $75,000 bonds, new sewerage system. E. W. Gantt, 1116 West Main St., Oklahoma City, engr. Noted Mar. 17.

Okla., Lone Wolf—Making surveys 4 mi. sanitary sewers in all streets. $25,000. P. Sullivan, Temple, engr.

Calif., Los Angeles — Plans corrugated iron and rein.-con. storm sewer between 58th and 67th Pls., 61st and 67th Pls., and 69th and 70th Pls., $50,000; 6 in. vitr. sewer in Westwood Blvd., Parnell, Pelham and Overland Aves., $75,000; constructing La Brea Ave. Relief Storm Sewer; El Serreno Valley Storm Drain near Bairdstown, $1,000,000; 40,760 6 and 8 in. vitr. clay sewer in Colorado Blvd. and Floriston Ave. Sewer Dist.; and 30,233 ft. 6 and 8 in. vitr. clay sewer in Curion Ave. and Parckard St. Sewer Dist. E. W. Tuttle, City Hall Annex, engr.

Calif., Lynwood — Making plans sewers in Dist. 11. $60,000.

Que., Cap de la Madeleine—City Council plans sewers and aqueduct extension. $15,000. R. Morrissette, Cap de la Madeleine, engr.

Que., Three Rivers—City Council plans clay and concrete sewers in various streets. $258,400. Z. Lambert, Three Rivers, engr.

Ont., Toronto — York Twp. plans 5,000 lin.ft. 8 in. and up vitr. tile sewers in Northcliffe Blvd., Dunraven Dr., Holmesdale and Rushton Rds., Glenholme and Avon Aves. $26,805. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

N. Y., Brooklyn — June 29, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Linden Blvd., Avenue N, Hendrix, East 34th, 40th and 8th Sts.

N. Y., Greenburgh (Scarsdale P. O.)—June 28, by Bd. Sewer Comrs. Fairview Service Dist., Fulling Bldg., 19 North Bway., Tarrytown, sewers in district, here. D. C. Nolan, Jr., Natl. Bank Bldg., Tarrytown, engr.

N. Y., Rochester—June 29, by Winton-Clifford Sewer Comn., 209 Powers Bldg., sewer and ejector station in Helendale Rd., Contr. 4, Winton-Clifford Sewer Dist. Hevenor & Weller, Inc., 5 St. Paul St., engrs.

N. Y., Rochester — June 30, by Cooper Road Sewer Comn., 5 St. Paul St., sewers in Winona Blvd., Grange Pl., Titus Ave., Stranahan and Union Parks, Bellemeade, Cambria, Chardon, Chimayo, Cooper, Curtice, Ganado, Hedgegarth, Thornton, and Wyndale Rds. Hevenor & Weller, Inc., 5 St. Paul St., engrs.

N. Y., Rye—July 11, by Chairman Westchester Co. Sanitary Sewer Comn., 192 Martine Ave., White Plains, constructing 5 sections sanitary sewerage system, here; adv. E. N.-R. June 23.

N. J., Manasquan — July 5, by Boro Council, A. B. Appleget, boro clk., reconstructing and extending Manasquan Sewerage System. Tribute & Massa, 15 Park Row, New York City, engrs. Sincerbeaux, Moore & Shin, Asbury Park Trust Co. Bldg., Asbury Park, consult. engrs.; adv. E. N.-R. June 23.

N. J., Newark—June 29, at office T. L. Raymond, dir. Dept. Pub. Affairs, City Hall, constructing Mt. Vernon Sewers and branches, Sect. 4, 4,400 ft. 8- to 36-in. pipe, etc.

N. J., Teaneck (mail West Englewood)—July 5, by Twp. Com., Municipal Bldg., 14,000 lin.ft. 8- to 12-in. sewers in various streets, Contr. "W." Sanborn & Bogent, 30 Church St., New York City, consult. sanitary engrs.; adv. E. N.-R. June 23.

Pa., Phila.—June 29, by Dept. Pub. Wks., Bureau of Enginering, main sewers in Greenwods St. and Forrest Ave. G. H. Biles, dir.

Pa., South Williamsport (mail Williamsport)—See "Streets and Roads."

Del., Dover—June 30, by Town, sewerage system. E. L. Williams, town engr.; adv. E. N.-R. June 23.

Md., Baltimore—June 29, by Bd. Awards, 1,678 lin.ft. 30- to 42-in. rein.-con. storm

Constr. News page 398

When time is money . . .

use High-Early-Strength concrete made with standard (not special) Universal Cement

Placing of the driveway of the Sebald Oil Co. filling station, Middletown, Ohio, was delayed by rain until Wednesday. With the opening of the station advertised for Saturday, the contractor, George F. Steckrath, of Middletown, used *High-Early-Strength* Universal Concrete, permitting the station to be opened as scheduled. Standard—not special—Universal cement furnished by Sebald Grain & Coal Co. For full details use the accompanying coupon.

Driveway Placed Wednesday; Filling Station Opened Saturday

With a filling station scheduled to open on Saturday, rain delayed the building of the driveway until the preceding Wednesday.

The contractor solved the problem by using fully tested methods and standard—not special—Universal cement to obtain *High-Early-Strength* concrete.

On Saturday the station was opened as advertised. Scores of automobiles, including many heavy trucks, used the driveway. There was no injury to the concrete.

In addition to this concrete having a high *early* strength, it also has a higher *ultimate* strength and so is *permanently* better and stronger than ordinary concrete. For full details, use the accompanying coupon.

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods for securing strong concrete in *3 days* with the usual materials.

Name .....

Address .....

ENR 6-23-27

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Sewers (Continued)

drains and 4,424 lin.ft. 6 and 8 in. vitr. sewers in Sewer Dist. H-17, in Storm Water Contr. 108. M. J. Ruark, 311 Courtland St., sewerage engr.

Ala., Birmingham — July 18, by City Comn., brick, c.i. and terra cotta sewer in 6th and 8th Aves., 28th, 29th and 31st Sts., $10,400; brick, concrete and terra cotta sewer in 10 blocks Aves. C, D, E, Ensley, $42,000, and 20 blocks 13th, 30th and 1st Sts., 10th, 9th, 8th and 6th Aves. $170,000. A. J. Hawkins, city engr.

La., Winnfield—June 28, by H. T. Willis, city clk., sewers in Dist. 1. $100,000. Former bids rejected. C. D. Evans, 414 Levy Bldg., Shreveport, engr. Noted May 17.

O., Amherst—July 5, by F. L. Moebius, village clk., constructing sewage disposal plant. Barstow & McCurdy, Inc., Akron, engrs.; adv. E. N.-R. June 23.

O., Parma (br. Cleveland)—June 24, by Village, sewers in 12 streets in Group "F," and 2 streets in Group "6." R. F. MacDowell, Chester-12th Bldg., Cleveland, engr.

Ill., Princeton—June 27, by City Council, sewage reduction plants and septic tank grounds and city dump improvements. Election, July 8, $50,000 bonds, for same. Shields, Jordan & Roe, 8 South Dearborn St., Chicago, engrs. Noted June 2.

Kan., Kansas City — June 28, by City Comrs., sewers in Argentine Dist. $30,000. R. W. Swope, City Hall, Kansas City, Mo., engr.

Calif., Glendale — June 30, by City Trustees, 3,036 ft. 8 in. vitr. and 24 ft. c.i. sewer, etc., in Fernbrook Pl., etc. J. F. Johannsen, city engr.

Contracts Awarded

R. I., East Greenwich—Sewerage works in 1st Ave., Main, Mawney and Prospect Sts., to D. Mondillo & Sons, 557 Admiral Ave., Providence. Engrs. est. $25,000.

Conn., Bridgeport—Brush cleaned disc type equipment and centrifugal motor driven pumps, for sewage disposal plant, to Sanitation Co., 70 East 45th St., New York City, $75,267. Noted June 16.

N. Y., Granville—Village, M. Rote-Rosen, village clk., constructing 9 mi. 8- to 21-in. vitr. sewerage system and treatment works, to G. Ferullo Co., 31 North Square, Boston, Mass., $183,792. Noted May 12.

N. Y., Oyster Bay— Bd. Sewer Cmrs., Oyster Bay Sewer Dist., Town Hall, Contr. 1 sewerage system, to Gifford Constr. Co., 161-10 Jamaica Ave., Jamaica, $262,552; Contr. 2, to Arnolt-More, Inc., 45 Clinton St., Newark, $95,000; and Contr. 3, to Merritt-Chapman & Scott, 17 Battery Pl., New York City, $21,639. Grand total $379,192. Noted May 12.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, for Northeast Sewage Pumping Sta., Wheatsheaf Lane and Richmond St., building complete, to Fred Snare Corp., 1524 Chestnut St., $357,000; mechanical equipment, to Roberts Filter Mfg. Co., 16th and Columbia Sts., Darby, $182,300; and electrical work, to W. V. Pangborne Co., 1927 West Montgomery St., $73,880. Grand total $613,180. Noted May 26.

Del., Newark — Extending new sewers through various streets, here, to Fernow Constr. Co., Ardmore, $30,395.

N. C., Cherryville — Extending sewer lines and new filtering bed, to Boyd & Gofortle, Charlotte, $100,000. Noted Apr. 28.

Va., Pulaski—Extending sewerage system, to Ford & Harvey, Lynchburg, $38,553.

O., Cleveland—For 890 ft. 4 ft., 470 ft. 3½ ft., 550 ft. 3 ft., and 250 ft. 2½ ft. sewer in Neff Rd., to C. W. Jackson, 1318 East 84th St., $60,352; 145 ft. 3 ft. concrete sewer in Treadway Branch, to E. P. Langenhan Constr. Co., Marshall Bldg., $3,707; also 860 ft. 7 ft., 480 ft. 6 ft., 275 ft. 5 ft. and 255 ft. 4 ft. brick sewer in East 51st St., to Manson Co., Engineers Bldg., $30,629. Grand total $94,688.

O., East Liverpool — Sewers in Briar Alley, Laura and Erie Aves., Garfield, John and Ephrian Sts., to P. Milliron, 2nd St., $26,194. Engrs. est. $25,000.

O., Silver Lake (mail Cuyahoga Falls)—Sewer in 8 streets, to T. E. McShaffrey, 173 South Forge St., Akron, $77,222. Noted May 12.

O., Willowick — Sewer in Permanent Homes allotment, to Curro & Whittaker, Engineers Bldg., $165,531; also sewer in Brookwood and East Shore allotment, to Sewer Constr. Co., 3407 East 114th St., $46,649. Noted May 26.

Mich., Detroit—Dept. Pub. Wks., vitr. crock and concrete sewers in Lateral Sewer 4762, to Wayne Constr. Co., 17333 Burt Ave., $55,000; Lateral Sewer 4766, to T. D. Nolan, 14101 Plymouth Rd., $17,950; Lateral Sewers 4774, and 4826, to Waterway Constr. Co., Transportation Bldg., $51,214; Lateral Sewers 4775 and 4830, to J. Monte, 15905 Welland St., $16,524; Lateral Sewer 4793-A, to F. Di Vito, 516 Transportation Bldg., $636; Lateral Sewer 4825, to Louwers & Somerville, 1224 Michigan Theatre Bldg., $7,320; Lateral Sewer 4836, to Detroit Drainage Constr. Co., Meyers Rd., $6,657; Lateral Sewer 4839, to Franklin Constr. Co., 4150 McDougall Ave., $4,625; Lateral Sewer 4841, to S. J. Fattore, 1118 Lafayette Bldg., $53,462; and Lateral Sewer 4838, to Western Constr. Co., 5123 Wesson St., $2,511. Grand total $215,899. Noted June 2.

Neb., Clarkson—T. Vlack, city clk., sanitary sewerage system and disposal plant, to C. Robeck Co., 408 Securities Bldg., Omaha, $21,853. Engrs. est. to exceed $25,000. Noted May 26.

Tex., Galveston—Rein.-con. drains, and appurtenances in 17 blocks Ave. P, to Moller & Roberts, Hitchcock, $94,357.

Tex., Houston—Storm sewers in Navigation Blvd., to C. K. Horton, 2200 Clay St., $27,651. Engrs. est. $30,000. Noted May 12.

Wash., Kelso—For 5,200,000 g.p.d. sewage disposal plant with pumps, motors, piping, screens, elevators, etc., in South Kelso Dist., to J. D. Hanley, Kelso, $160,401.

Calif., Palo Alto—E. L. Beach, city clk., 21,072 ft. 10- to 24-in. sewer in East Palo Alto Drainage Dist., to Oakland Sewer Constr. Co., Builders Exch. Bldg., Oakland, $34,328. Noted May 19.

Waste Disposal

Contracts Awarded

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., general contract refuse destructor, incl. electrical work, etc. Graham and Van Alst Aves., to Kelly & Kelly, Inc., 12th St. and Vernon Ave., $424,400. Noted May 28.

Que., Montreal — City, garbage loading plant, to Canadian Vickers Ltd., Maisonneuve St., $11,387.

Bridges

Proposed Work

Mass., Lawrence—Boston & Maine R.R., W. J. Backes, ch. engr., Boston, made plans bridge spanning 5 tracks, South Union St., here, timber $85,000, steel $125,000.

New York — Dept. Plant & Structures, Municipal Bldg., New York City, plans three new traffic lanes on upper level Queens Boro Bridge with viaduct on Manhattan side extending over 1st and 2nd Aves. to 57th St.; on Queens side new roadways will extend to Thompson Viaduct. $3,000,000.

New York — Dept. Plant & Structures, Municipal Bldg., New York City, appropriated $150,000 for borings, surveys and plans Triborough Bridge from west end Long Island, across Hell Gate in East River, to Wards Island and across Little Hell Gate to Randalls Island and across Bronx Kills to mainland with branch from Randalls Island across Harlem River to Manhattan Island.

Pa., Phila.—Dept. Pub. Wks., Bridge Div. Bureau Engineering, G. H. Biles, dir., plans Henry Ave. Bridge over Pennsylvania R.R. tracks connecting Hunting Park and Roberts Aves. $550,000 appropriated.

Alabama—State Hy. Comn., Montgomery, plans bridge over Alabama River, between Camden and Catherine, Wilcox Co. and between Monroe and Clark Counties; bridge over Coosa River between Center and Georgia line, Cherokee Co.; bridge between Anniston and Pell City, Alabama and St. Clair Counties, bridge between Columbiana and Talladega, Talladega and Shelby Counties; bridge between Madison and Morgan Counties; bridge near Guntersville between Madison and Marshall Counties, and bridge between Jackson and DeKalb Counties, all over Tennessee River, also bridge over Tombigbee River between Aliceville and Cochrane, Pickens Co.; bridge between Eutaw and Gainesville and bridge between Eutaw and Eppes, Greene and Sumter Counties. M. Finnell, Montgomery, engr.

Tennessee — State Dept. Highways & Pub. Wks., Nashville, making preliminary surveys bridge over Tennessee River, on Jasaper-Chattanooga Rd., Marion and Hamilton Counties. To exceed $25,000. C. N. Bass, ch. highway engr.

Tenn., Jasper—See "Streets and Roads."

Tenn., St. Elmo (br. Chattanooga) — Hamilton Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Chattanooga Creek, near here. To exceed $25,000. C. N. Bass, ch. highway engr.

O., Springfield—Plans rein.-con. bridge over Buck Creek, at Plum St. $50,000. W. E. Lucas, Springfield, engr.

Michigan—R. A. Beers, resident engr., Kalamazoo, takes bids about July 7, S. R. Bridge 110202, two 35 ft. and one 50 ft. span steel deck girder, Berrien Co., for State Hy. Dept., Lansing.

Michigan—H. C. Fleming, resident engr., Grand Rapids, takes bids about July 13, F. A. Bridge 4111001, three 47 ft. span rein.-con. T. beam type, Kent Co., for State Hy. Dept., Lansing.

Michigan—W. W. Lavers, resident engr., Plymouth, takes bids about June 30, F. A. Bridge 501303, two 50 ft. steel deck girder, Macomb Co., for State Hy. Dept., Lansing.

Michigan—W. W. Lavers, resident engr., Plymouth, takes bids about July 20, F. A. Bridge 4706001, three 33 ft., one 42 ft. and one 33 ft. span rein.-con. T beam type, Livingston Co., for State Hy. Dept., Lansing.

Michigan—R. W. Roberts, resident engr., Saginaw, takes bids about July 13, F. A. Bridge 291606, two 65 ft. span steel deck girder, Gratiot Co., for State Hy. Dept., Lansing.

Ia., Dubuque—See "Streets and Roads."

Okla., Indiahoma—State Hy. Dept., Oklahoma City, making preliminary plans 1 span 80 ft. steel truss bridge on piers over Beaver Creek, on Highway 7, Comanche Co., near here. $30,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Wash., Edmonds — Comrs. Snohomish Co., Everett, plan replacing present bridge with concrete bridge, on Edmonds-Richmond Beach Rd. at Woodbury Park, here. $40,000.

Ont., St. Thomas—Elgin Co. soon takes bids 90 ft. span steel truss bridge at Port Talbot. $25,000. J. A. Bell & Son, Court House, engrs.

Bids Desired

Mass., Canton—June 27, by Dept. Pub. Welfare, W. C. Bayless, trustee, 4 Franklin St., Boston, 4 span, 100 ft. rein.-con. bridge, hospital grounds, here, for Commonwealth of Massachusetts. $25,000. S. W. Mead, 11 Pemberton Sq., Boston, engr.

New Jersey — July 11, by State Hy. Comn., Trenton, constructing bridge over Saddle River, on Route 17 (North), Sect. 3, and grading approaches, etc., Bergen Co. A. L. Grover, ch. clk.; adv. E. N.-R. June 23.

N. J., Newark—July 18, by State Hy. Comn., Trenton, constructing portions Sect. 13, Route 1 extension, incl. highway structure on line of Avenue I at South St., also South St. Viaduct and approaches on South St. in Essex Co., here. A. L. Grover, secy.; ad. E. N.-R. June 23.

Pa., Hollidaysburg — July 1, by M. T. Beringer, controller Blair Co., and C. H. Edwards, clk., Hollidaysburg, two 28 ft. span rein.-con. girder bridge, 26 ft. over Clover Creek, at Fredericksburg. $25,000. C. Stout, 410 Mulberry St., engr.

Delaware—June 29, by Indian River Inlet Comn., Selbyville, J. G. Townsend, chn., dredging 70 ft. channel, 6 ft. in Indian River between Indian River bay and Atlantic Ocean, Sussex Co. $40,000 appropriated. U. S. Eng. Corps., E. I. Brown, ch., 6th and King Sts., Wilmington, engrs.

Maryland — June 28, by State Roads Comn., Baltimore, double span rein.-con. arch bridge over Antietam Creek, Contr. W-48, Washington Co.; single span steel girder bridge over P. B. & W. R.R. tracks, at Heislers Point, Contr. Ce-56, Cecil Co.; and single 22 ft. span rein.-con. slab bridge with two 5 ft. sidewalks on road from Frostburg to Westernport, in Midland, Contr. A-46, Allegany Co. J. N. Mackall, chn.

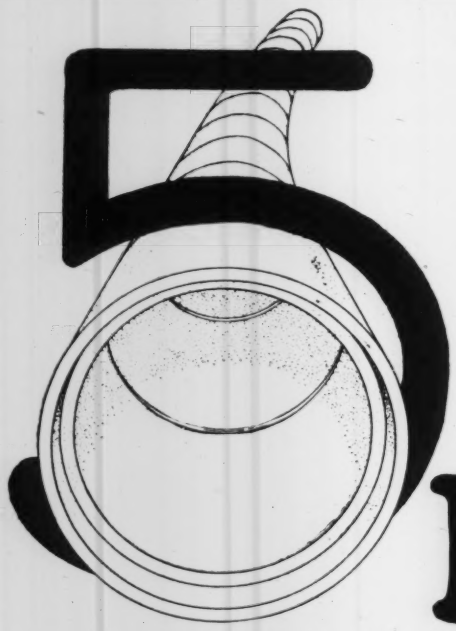
W. Va., South Charleston (br. Charleston) — Carbide & Carbon Chemical Co., South Charleston, taking bids 3 span 137 ft., steel truss span bridge. $50,000. Stone & Webster, 137 Milk St., Boston, Mass., engrs.

North Carolina — July 6, by State Hy. Com., Raleigh, rein.-con. bridges and culverts in Alexander, Chatham, Brunswick, Wilson and Pitt Counties. $181,400. L. R. Ames, Raleigh, engr.

Ohio—July 1, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, constructing 70 ft. concrete bridge, Sect. "A-1" Delphos-Upper Sandusky Rd., Allen Co., $46,558; concrete bridge with brick approaches, Sect. "B" Athens-Pomeroy Rd., Athens Co., $6,007; 127 ft. concrete arch bridge and repairing 2 bridges, etc., Sect. "Q" Dayton-Springfield Rd., Clark Co., $26,316; concrete bridge on Sect. "B" Milford-Vera Cruz Rd., Clermont Co., $6,693; also concrete arch bridge and approaches,

Constr. News page 399

15 POINTS



ENGINEERS! CONTRACTORS! Consider These Important—

That Mean PERMANENCE and Economy in Concrete Sewers

1. Pipe units are built locally—saving time and money
2. Lower in first cost
3. Costs less to install
4. Joints easier to seal
5. Little or no upkeep
6. Serves for centuries
7. Resists deterioration
8. Provides maximum flow
9. Prevents sewer leakage
10. Strength for any load
11. Sizes 24 in. to 108 in.
12. Lengths, 4 ft. and 5 ft.
13. Used extensively by leading cities and contractors.
14. Endorsed by engineers everywhere.
15. Backed by America's largest exclusive builder of reinforced concrete sewer pipe.

INDEPENDENT CONCRETE PIPE CO., 202 N. West St., Indianapolis, Ind.

INDEPENDENT

Reinforced Concrete Pipe

Bridges (Continued)

Sect. "B" Waverly-Coopersville Rd., Pike Co., $21,968.

Ill., **Quincy** — July 5, by City Clerk, bridge. C. A. P. Turner Co., Builders Exch., Minneapolis, Minn., engrs.; adv. E. N.-R. June 23. Noted June 16.

Iowa — June 27, by Auditor State Hy. Comn., Ames (**P.B.P. means Primary Bridge Project**), one 32 x 24 ft. skew girder bridge on P.B.P. 241, Audubon Co., one 90 x 20 ft. pony truss bridge with two 40 ft. I-beam approaches, also one 24 x 24 ft. I-beam bridge and 7 culverts on P.B.P. 140 Buchanan Co., one 90 x 20 ft. pony truss bridge with two 32 ft. I-beam approaches, one 120 x 20 ft. high truss bridge with four 32 ft. I-beam approaches, also one 20 x 24 ft. slab bridge and 22 culverts on P.B.P. 387 Cass Co., one 60 x 20 ft. deck truss bridge with two 40 ft. I-beam approaches on P.B.P. 334 Dallas Co., and one double 40 x 20 ft. skew I-beam bridge with 5 ft. sidewalk, also 4 culverts on P.B.P. 308, Tama Co., 6 box culverts on P.B.P. 201, Monroe Co.; raising and extending one 24 ft. I-beam bridge, also 16 culverts on P.B.P. 356, two 60 x 20 ft. span pony truss bridge and one 4 span 32 x 20 ft. I-beam bridge on wood structures with wood floor, also 5 culverts on B.B.P. 399, all Bremer Co. F. R. White, ch. highway comr.

Tex., Cuero—See "Streets and Roads."

Calif., Santa Barbara—See "Streets and Roads."

Que., Notre Dame du Rosaire—June 25, by E. Mercier, city secy. and treas., constructing bridge. $35,000. I. E. Vallie, Quebec, engr.

Contracts Awarded

N. H., Walpole—State Hy. Comn., Concord, 3 rein.-con. bridges and bituminous macadam approaches, here, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $88,970. Noted May 19 under "New Hampshire."

New York and New Jersey—Port of New York Authority, 75 West St., New York City, constructing New Jersey anchorage and approach to Fort Lee-Fort Washington Bridge over Hudson River, to Foley Bros., Inc., Pier 9, Erie R.R., Jersey City, N. J., $694,000, with item 5 $854,000. Noted May 12.

Pa., Bridgeville — Allegheny Co., Court House, Pittsburgh, constructing Bridge 10 over Chartiers Creek, here, to J. W. McLaughlin, Jr., Bulletin Bldg., $227,127. Engrs. est. $250,000. Noted May 26.

Pa., Waynesburg—Brown Co. Court, concrete bridge over Ten Mile Creek, on Rogersville Rd., to Concrete Steel Bridge Co., Clarksburg, W. Va., $32,515.

Maryland—State Roads Comn., Baltimore, single 26 ft. span rein.-con. arch bridge over Snowden Creek, on Liberty Rd., Contr. CI-69, Carroll Co., to Luten Bridge Co., Ebert Bldg., York, Pa., $5,105; single 50 ft. span rein.-con. arch bridge over Flat Run, Contr. F-107, Frederick Co., to Concrete Steel Bridge Co., Clarksburg, W. Va., $8,595; single 30 ft. span rein.-con. girder bridge over Little Hunting Creek, Contr. F-108, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $3,428. Grand total $17,128. Noted May 19.

North Carolina — State Hy. Comn., Raleigh, rein.-con. bridges, etc., on Project 789, Wilkes Co., to D. S. Blount, North Wilkesboro, $39,730; and on Project 560, Montgomery Co., to T. A. Loving & Co., Goldsboro, $25,813. Noted May 12.

N. C., Manteo—Dare Co., 4,300 ft. timber bridge, 20 ft., with 100 ft. steel draw between Manteo and Roanoke Islands, to W. L. Jones Constr. Co., Elizabeth City, $88,615.

La., Bastrop — Police Jury Morehouse Parish, 593 ft. bridge over Bayou Bartholomew, on Project 99, at Point Pleasant, point 2 mi. west of here, 100 ft. steel span, to Vincennes Bridge Co., Vincennes, Ind.; creosoted piling and timber, to Amer. Creosote Wks., 1305 Dublin St., New Orleans; and untreated timber to Parlor City Lumber Co., 134 South Grand St., Monroe. Noted May 17.

O., Akron—W. F. Peters, dir. Pub. Serv., City Hall, three 45 ft. and one 60 ft. span plate girder type bridge incl. limestone paving of same, on East Exchange St., to Blair, Ferguson & Co., Cleveland, $141,544. Engrs. est. $175,000. Noted May 12.

Ind., Indianapolis—Repairing 2 piers of College Ave. Bridge over Fall Creek, to E. F. Smith, 2050 South Harding St., $64,783. Engrs. est. $70,000. Noted Apr. 28.

Mich., Detroit—Hubbell, Hartgering & Roth, engrs., Buhl Bldg., concrete arch bridge and arch dam, on Beach Rd., to Detroit Foundation Co., 3212 Book Tower Bldg., for Holy Sepulchre Cemetery, 1234 Washington Blvd. $32,754. Noted May 19.

Ia., Atlantic—Cass Co., to Federal Bridge Co., 1002 B. T. Bldg., Des Moines, 2 high truss bridges $14,500, treated lumber in place $100 per M, untreated lumber in place $60 per M, etc., to F. W. Condon, 514 Federal Reserve Bldg., Omaha, Neb., 2 high truss bridges $14,475, treated lumber in place $100 per M, untreated lumber in place $60, etc. Noted May 19.

Ia., Cherokee—Cherokee Co., one 2 span 75 x 20 ft. through plate girder bridge with eight 40 ft. deck girder approaches, to Wickham Bridge & Pipe Co., Council Bluffs, $47,500.

Ia., Mason City — Cerro Gordo Co., 1 high truss, 1 pony truss and 1 I-beam bridges, to C. A. Holvik, Mason City, $27,977. Noted May 12.

Ia., New Hampton—Chickasaw Co., raising 2 I-beams and adding approaches to 1 I-beam bridge, on Primary Bridge Project 371, to Minneapolis Bridge Co., 924 Metropolitan Life Bldg., Minneapolis, Minn., $14,800; 1 pony truss bridge, to A. Olson Constr. Co., Waterloo, $24,685, and 17 box culverts, to R. Stoltz, New Hampton, $2,185. Noted May 12.

Kan., Minneapolis—Ottawa Co. bridge on Federal Aid Project 254-B, to Shaw & Woelke, Enid, Okla., $33,860, engrs. est. $40,078; also grading, etc. 1.736 mi. road on same project, 30 ft., to Campbell & Lachenmaier, Miltonvale, $7,036, engrs. est. $9,017. Noted May 19.

Kan., Russell—See "Streets and Roads."

Kan., Salina—See "Streets and Roads."

Mo., Kansas City—City and Kansas City Terminal Ry. Co., Union Station, general contract rein.-con. viaduct over railway tracks, on Van Blunt Blvd., to List & Wearthly Constr. Co., 416 Ry. Exch. Bldg., Engrs. est. $250,000. Noted Mar. 25, 1926.

Okla., Pauls Valley—State Hy. Dept., Oklahoma City, eight 34 ft. and two 25 ft. span rein.-con. I-beam bridge, Garvin Co., here, to J. W. Williams, 425½ Main St., Oklahoma City, $24,139. Engrs. est. $28,000.

Wash., Ellensburg — See "Streets and Roads."

Ore., Portland—Constructing Terwilliger Viaduct, rein.-con., to Lindstrom & Feigenson, Worcester Bldg., $68,513.

B. C., Vancouver—Lions Gate Bridge Co., 6,700 ft. toll bridge, 34 ft. over entrance to Vancouver Harbor, to Armstrong, Morrison & Co., 543 Granville St. Engrs. est. $3,500,000.

Ont., Windsor — For 66 ft. structural steel, mass and rein.-con. traffic bridge over Michigan Central Ry. tracks, on Field Ave., to Ernest Clark Co., 200 Banwell Ave. Engrs. est. $45,000.

New Brunswick — See "Streets and Roads."

Dams

Proposed Work

D. C., Wash.—See "Unclassified."

Railways

Proposed Work

Alabama—Southern Ry. Co., B. Herman, ch. engr., 1300 Pennsylvania Ave., Wash., D. C plans 1.02 mi. industrial track serving industries not now reached in Tarrant City, Birmingham, here.

Bids Desired

Kansas—See "Contracts Awarded."

Arkansas—See "Contracts Awarded."

Contracts Awarded

Alabama and Mississippi—St. Louis-San Francisco Ry., Frisco Bldg., St. Louis, Mo., F. G. Jonah, ch. engr., laying rails and ballasting roadbed, etc. from Aberdeen, Miss., to Aliceville, Ala., to C. G. Kershaw Contg. Co., Woodward Bldg., Birmingham, Ala. Engrs. est. approximately $200,000. Noted Feb. 17.

Kansas—Chicago, Rock Island & Pacific R.R. Co., C. A. Morse, ch. engr., La Salle St. Sta., Chicago, Ill., will enlarge yard, incl. grading, laying rails, etc., in Kansas City, here, by own forces. $100,000. Noted May 5.

Arkansas — Chicago, Rock Island & Pacific R.R., C. A. Morse, ch. engr., LaSalle St. Sta., Chicago, Ill., will rehabilitate lines affected by recent floods from Booneville to Hot Springs, Hulbert and Little Rock, here, by day labor. $300,000.

Arkansas—Missouri Pacific R.R., E. A. Hadley, ch. engr., Railway Exch., St. Louis, Mo., grading, bridges, etc. for approximately 7 mi. double track on Arkansas division between Curtis and Bierne via Burdon, here, to C. J. List, Railway Exch. Bldg., Kansas City, Mo. Will take bids later for laying rails, ballasting, etc. Total $863,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ark., Dardenelle—Coden Bottoms Levee Dist., D. C. Love, pres., soon takes bids reconstructing, etc., Coden Bottom Levee. S. G. Davies, Morrilton, engr. $60,000.

Tex., Port Arthur—Voted $50,000 bonds, improving Sabine Neches Canal, incl. placing approximately 14,000 cu.yd. shell on elevation north side to prevent further erosion. W. O. Bower, Port Arthur, engr.

Oklahoma — Tulsa Co. (Tulsa) making preliminary plans new levee along Arkansas River between Tulsa and Sand Springs. $60,000. H. A. Parker, Court House, Tulsa, engr.

Bids Desired

Conn., Stamford—June 27, by Park Bd., 2 rip rap jetties in Westcott Cove. J. C. Williams, city engr.

N. Y., Rye—July 11, at office Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, constructing stone breakwater, dredging, filling and sanding beach and parking area at Rye Beach, here. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. June 23.

New Jersey—July 11, at office Bd. Commerce & Navigation, State House, Trenton, redredging approximately 143,360 cu.yd. Sect. Inland Waterway, in Richardsons and Grassy Sound Channels from Cape May to Bayhead, Cape May Co. V. Gelineau, Trenton, dir.; adv. E. N.-R. June 16.

Md., Baltimore—June 29, by Bd. Awards, dredging 125,000 sq.yd. harbor, and constructing 1,915 ft. long bulkhead with concrete walls. J. E. Greiner Co., Lexington Bldg., engrs.

Calif., Vista—July 5, by Directors Vista Irrigation Dist., excavating and backfilling 51,500 ft. trench for 8- to 12-in. concrete and steel pipe, laying 12,100 ft. 8- to 12-in. concrete pipe, and 40,000 ft. 4- to 6-in. welded steel pipe.

N. B., West St. John—June 24, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., dredging here. $110,000.

Contracts Awarded

N. J., Newark—City Comn., widening Port Newark Ship Canal, and constructing 1,100 ft. marginal dock, to Henry Steers, Inc., 17 Battery Pl., New York City, $900,173.

Miss., Marks—Sledge Bayou Drainage Dist., c/o E. C. Black, atty., rebuilding approximately 25,000 cu.yd. levee, Quitman Co., to L. W. Mashburn, Theatre Bldg., Clarksdale, Miss. Engrs. est. $26,000. Noted Jan. 27.

O., Bellefontaine—I. P. Core, surv. Logan Co., Court House, excavating 241,533 cu.yd. in Mad River Joint Ditch, to Walb Constr. Co., La Grange, Ind., $22,993. Noted Jan. 27.

Ill., Chicago — South Park Comrs., 57th St. and Cottage Grove Ave., dredging and filling in strip land in Lake Michigan from 39th to 50th Sts., incl. 3,901,000 cu.yd. general and embankment fill, Sect. 1, to Constr. Material Co., 133 West Washington St. $528,950, Sect. 2, general fill, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave. $894,583, and embankment fill, to Illinois Ship & Dredge Co., 39 South La Salle St. $287,198, Sect. 3, general fill, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave. $352,200, also general and embankment fill, to Central Dredging Co., 307 North Michigan Ave. $514,080, Sect. 4, general fill, to Illinois Ship & Dredge Co., 39 South La Salle St. $232,000, and ship channel, to Fitzsimons & Connell Co., 10 South La Salle St. $7,080. Grand total $2,816,091. Noted Mar. 10, under "Streets and Roads."

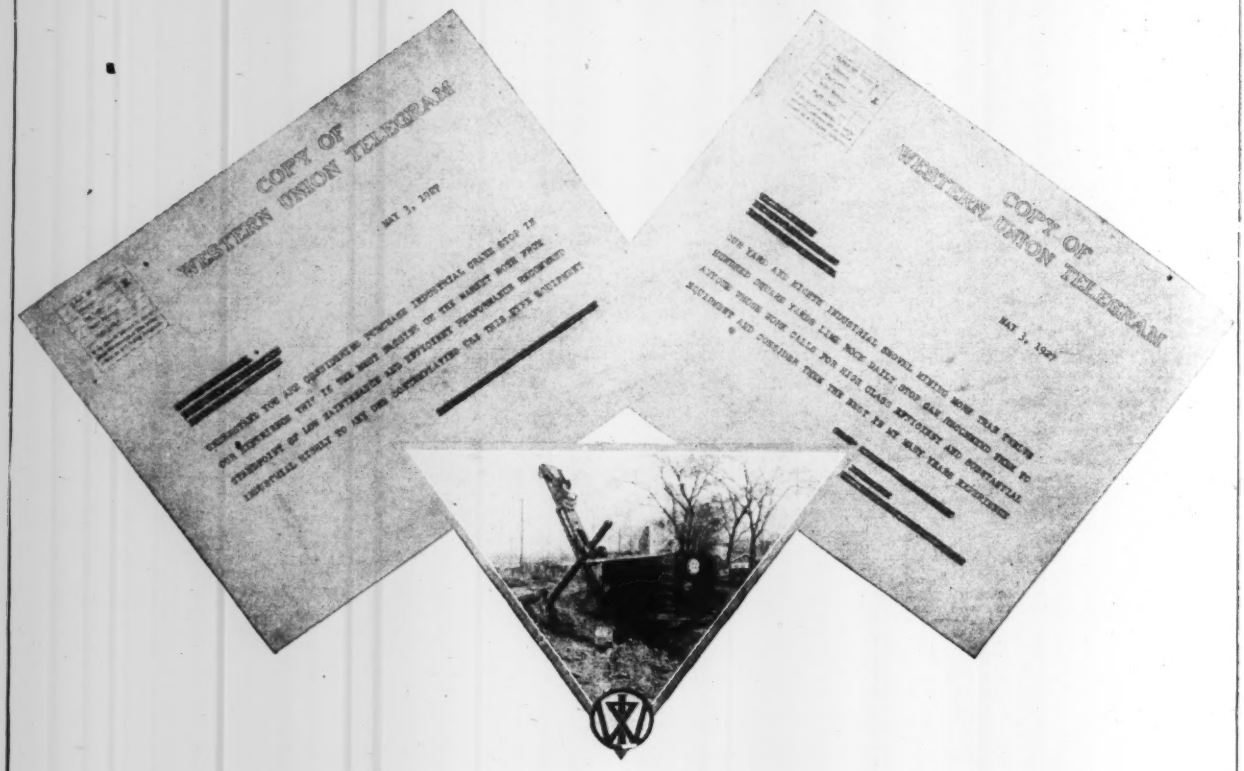
Calif., Grass Valley — B. W. Baldwin, secy. Nevada Irrigation Dist., constructing Milton Division Dam, to W. A. Bechtel, 625 Market St., San Francisco, $34,909. Noted May 26.

Streets and Roads

Proposed Work

New Hampshire—State Hy. Dept., Concord, rejected bids May 27, bituminous macadam paving 0.757 mi. highway in Plymouth; and graveling 0.71 mi. in Newbury. Will readvertise. F. E. Everett, comr.

Constr. News page 400



We Don't pay these Salesmen!

THESE two telegrams*, both of them from INDUSTRIAL all purpose crawler owners to a prospective buyer, give evidence of the fact that many of our salesmen are not on our payroll. They are owners of our machines who have been paid in service and satisfaction, and willingly recommend INDUSTRIAL crawlers.

* * * *

Such salesmanship is priceless

It has been acquired only by consistently manufacturing machines of highest standard and giving each and every INDUSTRIAL owner prompt and efficient service at all times—not forgetting the purchaser after the deal has been closed.

**The names of the senders of these telegrams and the addressee, will be furnished at your request.*

INDUSTRIAL WORKS · BAY CITY · MICHIGAN

BRANCHES

Atlanta, Ga. Hurt Bldg.
Chicago, Ill. McCormick Bldg.
Philadelphia, Pa. Packard Building
Cincinnati, Ohio Dixie Terminal Bldg.
Pittsburgh, Pennsylvania Federal Reserve Bldg.
Detroit, Mich. Book Building
San Francisco, Calif. Monadnock Building
New Orleans, Louisiana Whitney Central Bldg.
St. Louis, Mo. Railway Exchange Bldg.
New York City 50 Church St.

Streets and Roads (Continued)

Mass., Boston—Plans widening, relocating and constructing Oakland and Ashland Sts. as highway. $50,000 or more. J. H. Sullivan, comr.

Mass., Cambridge (Boston P. O.)—Plans rebuilding sections Massachusetts Ave., Upland Rd., Spring, Binney, Brookline, and 6th Sts. $131,500 appropriated. Private plans.

Rhode Island—State Bd. Pub. Roads, Providence, plans widening and improving Post Rd. from Arnold Ave. to Division St., in East Greenwich, $25,000 or more; Mendon Rd. in Comberland, $25,000; and Victory Highway in Foster, Coventry, West Greenwich and Exeter, to exceed $25,000. A. L. Alwood, care of owner, engr.

Conn., Waterbury—Made plans bituminous macadam paving Chase Park Blvd., West Main and Jefferson Sts. To exceed $25,000. R. A. Cairns, city engr.

New Jersey—State Hy. Comn., Trenton, plans concrete paving 4 mi. Englewood Cliffs-Alpine Rd., Mercer Co., W. G. Sloan, State House, Trenton, state engr.

N. J., Newton—Town Comm. plans concrete paving Adams, Jefferson, Moran and Union Sts. $25,000. W. J. Bardin, Newton, engr.

N. J., Union City—Making plans sheet asphalt on concrete repaving 10th St. from New York Ave. to Hudson Blvd., and 9th St. from Palisade to Bergenline Aves. $45,000. J. Maulbeck, City Hall, engr.

Pa., Pittsburgh—Soon takes bids widening, grading and paving, etc., Lincoln Ave. $173,000. Dept. Pub. Wks., City County Bldg., engrs.

Pa., Pittsburgh—Plans grading, curbing and paving Addison St. between Center Ave. and Reed St. $33,000. Dept. Pub. Wks., City County Bldg., engrs.

W. Va., Elkins—Soon takes bids concrete paving portions Davis, Central and Locust Sts., 24-30 ft. $33,328. G. Robinson, Elkins, engr.

Ga., Thomasville—Voted $70,000 bonds, street intersection and storm sewer in various streets. C. C. Pittman, city clk.

Alabama—State Hy. Comn., Montgomery, plans grading, etc. 534.06 mi. roads in Morgan, Lawrence, Limestone, Madison, Cullman, Cherokee, Lamar, De Kalb, St. Clair, Tuscaloosa, Coffee, Baldwin, Marengo, Sumter, Henry, Tallapoosa, Covington, Dale, Geneva, Bullock, Etowah, Mobile, Cleburne, Washington, Montgomery, Conecuh, Marshall, Winston, Jefferson, Crenshaw, Butler, Bibb, Escambia, and Russell Counties. W. A. McCalla, highway engr. Noted Apr. 21.

Miss., Ashland—Benton Co. voted $130,000 bonds, grading and hardsurfacing, etc., roads in Dists. 1 and 2. Noted Nov. 11.

Tenn, Alamo—Crockett Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 12 mi. Alamo-Gibson Co. line Rd., State Rd. 41. C. N. Bass, highway comr.

Tenn., Dyersburg—Dyer Co. plans surfacing (probably concrete) 20 mi. Dyersburg-Mississippi River Rd. L. O. Brayton, Dyersburg, co. engr.

Tenn., Jasper—Marion Co. voted $145,000 bonds constructing roads and bridges.

Tenn., Nashville—Plans rock asphalt on stone surfacing, etc. 8 streets. W. W. Southgate, city engr.

O., Lisbon—Comrs. Columbiana Co. (Lisbon) and Jefferson Co. (Steubenville), take bids about Aug. 11, grading and hardsurfacing approximately 1½ mi. Wellsville Rd. $30,000-$35,000. L. C. Kirk, Lisbon, engr.

Ind., Terra Haute—Vigo Co., plans one course rein.-con. paving 2¾ mi. Cassady Rd., Sect. 2, $107,059; and bituminous filled brick paving 2¾ mi. Cassady Rd. Sect. 1, $151,063. J. Drecher, 804 South 4th St., aud.

Ill., Arthur — Soon takes bids grading, curbing and concrete paving various streets. $60,000. Danely & Schmeltzer, Champaign, engrs.

Ill., Chicago—Cook Co. made plans and soon takes bids concrete paving 6 mi. McCarthy Rd., $270,000; and 4.6 mi. Crawford Ave., $207,000. G. A. Quinlan, County Bldg., engr.

Ia., Albia — Monroe Co. voted $600,000 bonds, graveling and paving various roads. C. T. Watts, Albia, co. engr. This corrects report in June 16 issue.

Ia., Charlton—Lucas Co. voted $532,000 bonds, 6 in. concrete paving 24 mi. and graveling 34.5 mi. roads. B. MacDonald, Charlton, co. engr.

Ia., Dubuque—Dubuque Co. plans grading, bridging, and gravel or crushed rock surfacing 3.6 mi. roads, 26 ft. $35,000. G. Blunt, Dubuque, co. engr.

Ia., Hampton—Franklin Co. voted $750,000 bonds, concrete paving Federal Aid Project 65 across county. M. E. Hicketheir, Hampton, co. engr.

Ia., Sioux City — Woodbury Co. voted $700,000 bonds, concrete paving 14 mi., also grading and bridging 12 mi. roads. J. C. McLean, Sioux City, engr.

Ia., Washington—Washington Co. voted $1,000,000 bonds, concrete surfacing 30 mi., and graveling 56.5 mi. various roads. W. P. Rawn, Washington, co. engr.

Okla., Anadarko—Caddo Co. voted $1,225,000 bonds, improving all roads. C. R. Mandigo, Capitol Bldg., Oklahoma City, engr. Noted Apr. 14.

Bids Desired

New Hampshire—June 24, by State Hy. Dept., Concord, grading and bituminous macadam paving 16,544 sq.yd. New Hampshire College streets, in Rockingham Co., $63,000, W. A. Graves, Portsmouth, engr.; and 8,000 sq.yd. Moosilauke Rd., Grafton Co., $32,000, H. L. Smith, Lakeport, engr.

Massachusetts—June 28, by Dept. Pub. Wks., Boston, bituminous macadam paving 600 ft. highway in Granville, and Southwick; 12,955 ft. in Wilmington and Woburn; 4,100 ft. in Beverly; and 6,350 ft. in Acton, all 18 ft. W. F. Williams, comr.

Conn., Stamford—June 27, by Common Council, rein.-con. paving Myrtle Ave. J. C. Williams, city engr.

New York — July 1, by A. W. Brandt, comr. Highways, Albany, improving highways in Ontario, Saratoga, and Tompkins Counties; reconstructing roads in Cayuga, Columbia, Chautauqua, Nassau, Onondaga and Westchester Counties; also constructing Sparkhill Viaduct, Rockland Co.; adv. E. N.-R. June 23.

N. Y., Brighton (Ind. br. Rochester) — June 28, by Town Bd., at office E. K. Marcus, town clk., Monroe Ave., improving Monroe Parkway, Meadow and Elwell Drs. W. S. Lozier, Inc., 10 Gibbs St., Rochester, engr.

N. Y., Brooklyn—June 29, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging, etc. Avenue U, Bedford Ave., East 8th, 12th Sts., etc.; grading and sheet asphalt on concrete paving Alabama, Brooklyn, Flatlands, Kingston, 16th and 23rd Aves., East 5th, 31st, 51st, and Winthrop Sts., etc.

N. Y., St. George—June 29, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Forest Hill Rd., Forest and Bard Aves.; and granite block on concrete repaving Borough and Stuyvesant Pls., Bay St., etc.

N. J., Pennington—June 28, by Bd. Freeholders Mercer Co., Trenton, grading and paving 7,500 sq.yd. Washington Crossing-Pennington Rd., here. H. F. Harris, Trenton, co. engr.

N. J., Plainfield — July 5, by Common Council, City Hall, grading, curbing, guttering, and sheet asphalt on 6 in. concrete paving 9,520 sq.yd. Grand Ave. A. W. Vars, city engr.; adv. E. N.-R. June 23.

N. J., Surf City — July 2, by H. L. Lukens, boro clk., 6 in. graveling 12,150 sq. yd. various streets, for Mayor and Boro Council. J. M. Abbott, Toms River, engr.

N. J., Teaneck (mail West Englewood) —June 28, by Twp. Com., Municipal Bldg., grading, curbing, sewers in 6 in. rein.-con. paving Shepard Ave. A. Noack, 235 Main St., Hackensack, engr.

N. J., Winslow — July 11, by Winslow Twp., J. F. Leed, Blue Anchor, grading and graveling 11,112 sq.yd. various streets. Remington & Vosbury, 508 Cooper St., Camden, engrs.

Pa Norristown — July 11, by W. C. Irwin, controller Montgomery Co., Court House. 2 rein.-con. or bituminous wearing surface on concrete paving side strips on approximately 23,000 ft. Montgomery Pike, 10 ft.; adv. E. N.-R. June 23.

Pa., Phila.—June 28, by Dept. Pub. Wks., Bureau Highways, grading, etc. Line Rd. between Bustleton Ave. and Mongomery Co. Line; improving east drive of Bustleton Ave. between Grant Ave. and Poquessing Creek; grading various streets; asphalt paving (assessment work) various streets; asphalt repaving various streets; redressed granite block repaving various streets; paving and repaving certain alleys; steam operated locomotive crane; asphalt paving mixtures. G. H. Biles, dir.

Pa., South Williamsport (mail Williamsport)—July 11, by Boro Council, grading, curbing, sewers and surfacing 12,000 ft. East Mountain, Central and 6th Aves., Fleming, Bayard, Linden and Maynard Sts. $75,000. M. O. Krause, Williamsport, engr. Noted Jan. 20.

Pa., Swissvale—July 1, by Boro Secretary, grading 2,600 cu.yd. excav., vitr. brick, asphalt filler paving 15,600 sq.yd. and 6 in. concrete paving 7,600 sq.yd. Monongahela Ave. $150,000; also grading and 2,750 sq.yd. 7 in. concrete paving Evagues and Hamerly Way, $25,000. A. Hutchinson, Boro Hall, engr.

Maryland — June 28, by State Roads Comn., Baltimore, concrete paving 2.48 mi. Contr. D-45, Dorchester Co., and 3.43 mi. Contr. B-85, Baltimore Co.; graveling 1.74 mi. Contr. P-64, Prince George Co.; and macadam paving 1 mi. Contr. H-52, Harford Co. J. N. Mackall, chn.

Md., Baltimore—June 29, by Bd. Awards, sheet asphalt paving 11,100 sq.yd. streets listed Contr. 411; concrete paving 15,500 sq. yd. streets, Contr. 410; and concrete footways, Footway Contr. 102, $30,000; S. Purcell, City Hall, highways engr.; adv. E. N.-R. June 23.

W. Va., New Martinsville—June 25, by Wetzel Co. Court, grading, etc., 2.5 mi. State Route 55, Project 3162-C. G. A. Harman, clk.

W. Va., New Martinsville — July 2, by Wetzel Co. Court, grading, etc., 5 mi. Project 2-A, and 2 mi. Project 1-A of Grant Dist. Bond issue. G. A. Harman, clk.

W. Va., Pineville — June 27, by Clerk Wyoming Co., grading, etc., 5.5 mi. Herndon-Mercer Co. line Rd.; and 8 mi. Herndon-Big Branch Rd. A. B. Shannon, Pineville, co. road engr.

W. Va., South Charleston (br. Charleston)—July 1, by A. B. Fitzwater, mayor, grading curbing and paving, etc. approximately 20,000 sq.yd. various streets.

North Carolina — July 6, by State Hy. Com., Raleigh, grading, concrete or asphalt paving 87.61 mi. roads in Nash, Washington, Greene, Pender, Wake, Johnston, Henderson, Wilkes, Rowan and Randolph Counties, $1,906,246 clearing, grading, etc. 44.87 mi. in Cleveland, Brunswick, Greene and Pitt Counties, $183,819; also clearing, grading, and topsoiling, etc. 29.7 mi. in Davidson, Randolph, Alexander, Surry and Cleveland Counties, $245,591. L. R. Ames, Raleigh, engr.

Fla., Tampa—June 28, by City Comn., at office city clk., curbing, guttering, 2½ in. vitr. brick or asphalt block on shell or limerock, or natural rock asphalt on concrete paving Highway Ave., Curtis, North Bay and Owen Sts. R. D. Martin, city engr.

Ala., Birmingham — July 18, by City Comn., grading, curbing, guttering, walks and 11 in. concrete paving, etc. 5 blocks 32nd St., 50 ft., $60,000; grading, curbing, guttering, walks and 6 in. concrete paving 8 blocks 81st St. S., 30 ft., $58,700; curbing, guttering, walks and 2 in. asphalt on 5 in. concrete paving 2 blocks 16th St. W., 26 ft., $13,600, also 5 blocks 4th Court W. and 4th Terrace W., 30 ft., $27,560. A. J. Hawkins, city engr.

Louisiana—July 5, by State Hy. Comn., Baton Rouge, grading, and graveling 5.09 mi. Plain Dealing-Haynesville Highway, State Project 551-A, Webster Parish. J. F. Fourmy, state highway engr.

Louisiana—July 12, by State Hy. Comn., Baton Rouge, grading and graveling 7.07 mi. Franklinton-Covington Highway, State Project 509-A-1, and 14.78 mi. Sun-Bogalusa-Mississippi State Line Highway, State Projects 412-A-1 and C-1, both Washington Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, state engr.

Tenn., Lebanon—July 1, by City, 25,000 lin.ft. curbing and guttering, also 48,000 sq.yd. concrete paving various streets. Klyce & Garrub Engineers, 4th and 1st Bldg., Nashville, engrs.

Tenn., Jackson—July 6, by J. G. Neudorfer, comr. Pub. Utilities, paving, etc. 27,000 sq.yd. various streets. E. R. Dike, city engr.; adv. E. N.-R. June 23. Noted May 26.

Ohio—July 1, by G. F. Schlesinger, dir. Highways & Pub. Wks., grading and waterbound macadam paving 0.225 mi. West Union Bainbridge Rd., 16 ft., Adams Co. $10,277; grading and concrete paving 15,440 ft. Cambridge-Newcomerstown Rd., Guernsey Co. $8,617, 3.77 mi. Euclid-Chardon Rd., 10 ft., Lake Co. $71,674; grading and brick paving 1.12 mi. Akron-Youngstown Rd., 20 ft., Mahoning Co., $60,687; also grading and paving 3.59 mi. Sect. "C" Barberton-Greenwich Rd. and Sect. "Western Star" same road, 6 ft. 4 in. both in Summit Co., brick $59,406, and concrete $52,102.

Ohio—July 1, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, grading and concrete paving, etc. 2.421 mi. road in Allen, Butler and Tuscarawas Counties, $72,364; grading and waterbound macadam paving, etc. 2.252 mi. and Allen and Highland Counties, $60,309; grading and paving, etc. 6.411 mi. in Portage Co., concrete $182,688 waterbound macadam $167,408, 1.43 mi. Medina Co., bituminous concrete $51,711 concrete $53,074, 1.501 mi. in Trumbull Co., concrete $66,061 bituminous macadam $65,613, 2.646 mi. Athens Co., brick except brick $87,286 concrete $98,960 brick incl. brick $18,684, 1.992 mi. Mahoning Co., sheet asphalt $90,725 brick except brick $71,570 brick incl. brick $23,451, and

Constr. News page 401

Streets and Roads (Continued)

2.03 mi. Summit Co., brick (except brick) on concrete $43,010 concrete $41,837 brick incl. brick $12,625; concrete widening 1.006 mi. Medina Co., $32,885; widening and concrete resurfacing 0.549 mi. Medina Co., $19,600; also grading, etc. 3.125 mi. Portage Co., $24,534.

O., Akron—June 27, by Comrs. Summit Co., grading and traffic bound slag paving, etc. 3.414 mi. Akron-Kent Rd. I.C.H. 94 "J," 18 ft. $50,300. H. G. Sours, Court House, engr.

O., Bolivar—July 12, by Comrs. Tuscarawas Co. (New Philadelphia), 240 ft. steel and rein.-con. bridge, 24 ft. roadway, north of here, for Stark Co. (Canton) and Tuscarawas Co. (New Philadelphia). $100,000. A. M. Wise, Canton, engr.

O., Canton—July 1, by Comrs. Stark Co., hardsurfacing, etc., 4.2 mi. Brewster-Wilmot Rd., 16 ft. $70,000. A. M. Wise, Court House, engr.

O., Canton — July 15, by Comrs. Stark Co., brick and concrete paving, etc., 2 mi. Canton-Louisville Rd., 16 ft. $60,000-$75,000. A. M. Wise, Canton, engr. Noted Jan. 27.

O., Cleveland—June 29, by Bd. Comrs. Cuyahoga Co., paving Green Rd. from Fairmount Blvd. to Kinsman Rd. $265,000. F. Lander, Court House, engr.

O., Dayton — July 1, by G. F. Baker, dir. Pub. Serv., rein.-con. or vibrolithic concrete paving 480 ft. Babbit St. from Main to Linwood Sts.; and sheet asphalt on concrete paving 1,600 ft. Idylwild St. from Webster to Monument Sts., both 30 ft. $25,000. J. F. Hale, city engr. Noted June 9.

Ind., Danville—June 24, by Comrs. Hendricks Co., constructing 10,674 ft. F. N. Wright Rd. in Liberty Twp.; 2,671 ft. Orien Hadley Rd., and 13,250 ft. Alva Stanley Rd., on township line dividing Clay and Marion Twps. F. L. Whicker, Danville, aud.

Michigan—June 27, by State Hy. Dept., Lansing, at Ionia Co. Road Office, graveling 7.958 mi. T. L. 43-2-A and B, Eaton and Ionia Counties, 16 ft. H. C. Fleming, Grand Rapids, resident engr.

Michigan—June 30, by H. C. Fleming, resident engr., Grand Rapids, grading, etc., 3.437 mi. Trunk Line 50-15, Project M041-30, Kent Co.; and 3.06 mi. Trunk Line 50-16, Project M070-22, Contr. 1, Ottawa Co., both 20 ft., for State Hy. Dept., Lansing.

Michigan — June 30, by G. H. Green, resident engr., Fletcher Bldg., Alpena, graveling 7.547 mi. T. L. 32-8, MO60-4, Contr. 2, Montmorency Co., 18 ft., for State Hy. Dept., Lansing.

Michigan — July 7, by G. H. Greene, Fletcher Bldg., Alpena, concrete paving 5.171 mi. F. A. 123, Sect. C-1, Project FO16-13, Contr. 2, Cheboygan Co., 20 ft., for State Hy. Dept., Lansing.

Mich., Hersey — June 29, by Bd. Road Comrs. Osceola Co., Court House, graveling 1 mi. road in Burdell Twp., ½ mi. LeRoy Twp., 1½ mi. Sherman Twp., 1 mi. Rose Lake Twp., 1½ mi. Cedar Twp., 1½ mi. Hersey Twp., 1 mi. Highland Twp., ½ mi. Hartwich Twp., 1 mi. Osceola Twp., and ½ mi. in Evart Twp.

Mich., Mio—June 30, by Bd. Road Comrs. Oscoda Co., Court House, graveling, etc. 5,356 ft. Zimowske Rd. 1, Big Creek Twp. 9 ft.

Ill., Chicago — June 28, by Bd. Local Impvts., City Hall, walks, etc. on various streets. M. J. Faherty, pres.

Ill., Belleville — Taking bids grading, curbing and concrete paving 24,026 sq.yd. various streets. $76,033. C. A. Heinzelman, City Hall, engr.

Wisconsin—June 28, by State Hy. Comn., Div. Office 2, Stephenson Bldg., Milwaukee, grading and concrete paving 21,980 sq.yd. Menomonee Falls-Granville-Mauwatosa Rd., Federal Aid Project 434-A, Milwaukee Co. H. W. Vroman, div. engr.

Wis., Milwaukee—June 17, by Bd. Pub. Wks., R. E. Stoelting, comr., grading 11,233 cu.yd. Morgan Ave.; sidewalks on Ohio Ave. and 38th St.; concrete paving, etc., 4,504 sq.yd. Jackson St., Miller Ave. and 3 alleys; asphalt paving, etc. 8,223 sq. yd. St. Paul Ave.; asphaltic concrete paving, etc., 9,080 sq.yd. Wells St.; and vibrolithic concrete paving, etc. 5,350 sq. yd. Euclid Ave. $98,720.

Iowa—June 27, by State Hy. Comn., Ames **(F.A.P. means Federal Aid Project, and P.P. Primary Project)**, grading, etc. 0.57 mi. F.A.P. 52, U. S. Highway 71 Audubon Co., 7.02 mi. P.P. 478, U. S. Highway 71 Cass Co., 6 mi. P.P. 483, and 5.165 mi. F.A.P. 283, U. S. Highway 218 Bremer Co., 2.81 mi. P.P. 128-B Koekuk Co., 0.806 mi. P.P. 294 Monroe Co., and 2.623 mi. P.P. 309 Tama Co.; furnishing 680 ft. 15- to 24-in. culver pipe F.A.P. 57-B Cedar Co., and 480 ft. 15 and 18 in. culvert pipe P.P. 130-D Iowa Co.. F. R White, ch. highway comr.

Iowa—June 27, by State Hy. Comn., Ames, improving 0.39 mi. Algona State Park 19-13, 4,106 cu.yd. excav., hauling and placing 28 ft. 18 in. and 68 ft. 24 in. culvert pipe, also 8 ft. span wood bridge; 1.21 mi. Wild Cat Den State Park Project 17, 23,310 cu.yd. excav., and 205 ft. 24- to 36-in. culvert pipe; curbing and bituminous filled brick on concrete surfacing 3,165 ft. South Grand Ave., at State University of Iowa, R. F. White, ch. highway comr.

Ia., Council Bluffs—June 27, by F. B. Jenkins, city clk., approximately 55,840 yd. 4 ft. concrete sidewalks on various streets. B. Walker, Council Bluffs, engr.

Ia., Farragut—June 29, by W. S. Coy, town clk., grading, curbing, sidewalks and rein.-con. paving 7,000 sq.yd. various streets. De Lay & De Voe, Creston, engr.

Ia., Pocahontas—July 1, at office Auditor Pocahontas Co., improving 4.93 mi. Project S-134, 30,627 cu.yd. earth and 150 cu.yd. loose rock excav., 722 lin.ft. culvert labor, and 25,355 sta. yd. overhaul.

Kan., Salina—June 28, by C. E. Banker, city clk., City Hall, grading, curbing and hard-surfacing various streets. To exceed $25,000. R. J. Paulette, City Hall, engr.

Kan., Winfield—July 19, by Clerk Cowley Co., grading, and concrete or vitr. brick surfacnig, etc. 35,157 sq.yd. Federal Aid Project 231-G, 18 ft. B. Boyle, Winfield, co. engr. Noted Jun. 13.

Nebraska—June 30, by R. L. Cochrane, state highway engr., Lincoln, sand graveling, etc. 5,069,357 sq.yd. 73 projects in 43 counties, for State Hy. Comn.

Neb., Johnson — June 28, by R. M. Rogers, city clk., grading and graveling 23,800 yd. streets in Dists. 1, 2 and 3, for City. To exceed $25,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

N. D., Grand Forks — July 6, by C. J. Evanson, city aud., paving approximately 8,300 sq.yd. various streets. $27,000. Noted May 19.

Mo., St. Louis—June 28, by Bd. Pub. Serv., 208 City Hall, concrete paving 4,230 sq.yd. Wanda St. $24,500, and alley in City Block 5465 $6,120; amiesite paving, etc. 1,925 sq.yd. Mallinckrodt St., $14,480; warrenite bitulithic paving, etc. 4,313 sq.yd. Eichelberger St., $37,520; and recut granite block repaving, etc. 6,735 sq.yd. Lucas Ave., $61,200. W. W. Horner, 300 City Hall, engr. This corrects report in June 9 issue.

Arkansas—June 30, by State Hy. Comn., Little Rock, grading, bridging, graveling and concrete paving approximately 120 mi. State and Federal Aid Projects in various counties. G. H. Sykes, highway engr.

Tex., Cuero—De Witt Co., c/o S. Kulawik, judge, Cuero, taking bids grading and bridging 9.25 mi. Highway 109, $70,000. W. H. Koether, Yoakum, engr.; 15.5 mi. Highway 81, $170,000. J. S. Fenner, Cuero, resident engr.; and 7.5 mi. Highway 72, $135,000, S. H. Gulledge, Cuero, engr.

Tex., San Antonio—July 8, by Comrs. Bexar Co., asphalt topping 4 mi. Zercher Rd. $30,000, and 4 mi. Beither-Perrini Rd. $30,000; asphalt on gravel surfacing 5 mi. Seguin Rd., Gibbs-Sproul Rd., and Hot Wells Blvd. $60,000, also W. W. White Rd. and Rigsby Ave. G. L. Collins, San Antonio, engr.

Tex., San Antonio — See "Contracts Awarded."

Tex., San Benito—July 6, by City, permanent paving Breen and North Reagan Sts. $50,000. Address Mayor.

Okla., Prague—June 27, by L. M. Newhouse, city clk., grading, curbing and concrete paving 17,800 sq.yd. 9th and Barta Sts. $62,460. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Petaluma — G. V. Roberts, city clk., taking bids 5 in. concrete paving, etc., portions Western Ave. and Kentucky St., etc. To exceed $100,000. J. B. Piatt, Santa Rosa, engr. Noted Mar. 24.

Calif., Redwood City—W. A. Price, city clk., taking bids 1½ in. asphaltic concrete paving, etc. 126,361 sq.ft. portions Madison Ave., Hawes and Iris Sts., etc. C. L. Dimmitt, city engr.

Calif., Redwood City—E. M. Kneese, clk. San Mateo Co., taking bids asphalt oil and rock on 4 in. waterbound rock macadam paving, etc. Sevier and Hollybourne Aves., etc. To exceed $25,000. G. A. Kneese, Redwood City, co. surv.

Calif., San Fernando—L. A. Swartout, city clk., taking bids curbing, walks and concrete paving, etc. Mott St. between southeast city limits and Brand Blvd., etc. To exceed $25,000. E. Brooks, city engr. Noted June 16.

Calif., Santa Barbara — July 5, by Supervs. Santa Barbara Co., grading, etc. 4.3 mi. San Julian Rd.; also moving and reconstructing bridge over Gaviatta Creek. O. H. O'Neill, Santa Barbara, co. surv.

Calif., Stockton—A. L. Banks, city clk., taking bids curbing, guttering, walks and 2½ in. asphaltic concrete on 2 in. gravel paving, etc. 52,498 sq.ft. portion Charter Way. W. B. Hogan, city engr.

Calif., Ventura — July 5, by Supervs. Ventura Co., grading and concrete paving, etc. 390,000 sq.ft. 5th St. and McGrath Rd., etc. C. W. Pettit, Ventura, co. surv.

Calif., Ventura—July 7, by Supervs. Ventura Co., 18 ft., concrete roadway on 1st St. extension to Pacific Ocean. $40,000 or more. C. W. Petit, Ventura, co. surv.

Ont., Carleton Place—June 24, by R. M. Anderson, clk. Lanark Co., Perth, bituminous penetration macadam, bituminous hot mix or cold mix paving, etc. 7,400 sq.yd. various streets. $35,000. W. Huber, County Bldgs., Perth, engr.

Contracts Awarded

Me., Portland — Split redressed granite block paving 6,570 sq.yd. St. John St. to R. Kennedy & Co. Inc., 278 Middle St.

New Hampshire—State Hy. Dept., Concord, graveling 0.58 mi. highway in Andover, and rein.-con. paving 2.01 mi. in Claremont, to J. E. Ricci, Claremont, $9,169 and $69,886 respectively; bituminous macadam paving 0.975 mi. in Ossipee, to J. E. Kerr, Rumford, Me., $22,530; rein.-con. paving 0.85 mi. in Lebanon, to Winslow & Cummings, Nashua, $31,763; and graveling 1.93 mi. in Henniker, to State Constr. Co., 42 Prospect St., Somerville, Mass., $27,424. Grand total $160,772. Noted May 19.

Massachusetts—Dept. Pub. Wks., Boston, concrete paving 24,791 ft. highway in Westport, to Callan Constr. Co., 208 Franklin St., Bristol, R. I., $317,324; bituminous macadam paving 14,025 ft. in Worcester and Holden, to New Haven Road Constr. Co., 70 College St., New Haven, Conn., $199,921, 2,900 ft. in West Springfield, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $60,596, and 5,830 ft. in Boylston, to Catanese Constr. Co., Fitchburg, $32,070, all 18 ft. wide. Grand total $609,911. Noted May 26.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 17,000 ft. highway in Franklin and Wrentham, to C. E. Horne, Millbury, $146,529, and 4,842 ft. in Canton and Milton, to J. Susi & Bros., 64 Richfield St., Dorchester, $59,928; bituminous concrete paving 2,257 ft. in Walpole, to Washburn & Sheridan, East Taunton, $14,764; hard pan paving 2,800 ft. in Savoy, to Warner Bros., Sunderland, $19,865. Grand total $241,086. Noted May 19.

Mass., Boston — Sheet asphalt paving Dudley St. in Wards 10 and 12, to S. J. Tomasello, 11 Cushing Terrace, Dorchester, $39,411.

Mass., Brookline (br. Boston)—Bituminous macadam paving Winchester St. from Fuller St. to town line, to J. J. McCarthy & Co., 121 Boston St., South Boston, $30,212. Engrs. est. $25,000 or more. Noted June 2.

Rhode Island—State Bd. Pub. Rds., State House, Providence, 8 in. rein.-con. paving 2.4 mi. Contr. 2707, Federal Aid Project 40, in Warwick, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $81,070; trap rock and bituminous macadam penetration on local stone paving 1.6 mi. Contr. 2709, in North Smithfield and Burrillville,, to Hagan & Thibodeau, Providence, $42,969, both 20 ft. wide. Noted May 26.

Connecticut—State Hy. Dept., Hartford, to Lane Constr. Corp., 37 Colony St., Meriden, 8 in. rein.-con. paving 21,371 ft. highway in Stratford $143,239, to M. A. Gammino Constr. Co., Providence, R. I., 10,498 ft. in Farmington $69,811, 20,739 ft. in Middlebury and Waterbury $280,740, and 12,882 ft. in Berlin $73,077, to A. D. Bridges & Sons, Hazardville, 14,710 ft. in East Hartford $66,332, to Connecticut Natl. Pavements, Inc., 173 Orange St., New Haven, 9,489 ft. in Guilford and Madison $66,924, to Osborn-Barnes Co., Danbury, 14,763 ft. in Westport and Fairfield $178,738, to F. Arrigoni & Son, Middletown, 31,680 ft. in Durham $221,614, all foregoing 20 ft.; to Silliman & Godfrey, Bridgeport, 9 in. rein.-con. paving 7,502 ft. in Norwalk, 40 ft., $89,004; and to J. DeMichiel & Bros., Torrington, 3 in. waterbound macadam paving 10,039 ft. in Bethel, 18 ft., $46,956. Grand total $1,236,435. Noted May 26.

Conn., New Haven — Bituminous macadam paving Clinton Ave. from Pine to Middletown Ave., to Guyott Constr. Co., Woodmont, Milford, $24,400. Engrs. est. $25,000.

New York—A. W. Brandt, comr. Highways, Albany **(e. e. means engineers estimate)**, reconstructing 0.28 mi. Repair

Constr. News page 402

Streets and Roads (Continued)

Contr. 1619, Highway 427-428, Watertown-Carthage Rd., Parts 2 and 3, Jefferson Co., to H. T. Gunston, Eden, $86,771 e. e. $103,-311; 16.07 mi. Conduit Blvd., Parts 3, 4 and 5, Highways 1699-A, 1699-B and 5701-A, Nassau Co., to Johnson, Drake & Piper, 834 1st Natl. Soo Line Bldg., Minneapolis, Minn., $1,398,757 e. e. $1,814,635; 3.99 mi. Repair Contr. 1611, Highways 45-114, Middletown-Pint Bush Rd., Parts 1 and 2, Orange Co., to Hull & Saltsman, Highland Mills, $174,467 e. e. $231,650; 3.47 mi. Repair Contr. 3169, Highway 140, Seneca Turnpike, 271, Utica-Oneida Castle Rd., Part 2, Oneida Co., and 1.02 mi. Repair Contr. 1616, Highway 5388, Suffern Village-Hillburn Village Rd., Rockland Co., to Hogeboom & Campfield, Inc., Kingston, $217,304 and $89,479 respectively, e. e. $303,858 and $104,960 respectively; 0.13 mi. Repair Contr. 1617, Highway 714, Dansville-Mt. Morris Rd., Part 1, Livington Co., to Curry & Macy, Inc., 8 Exchange St., Rochester, $9,976 e. e. $12,599; 9.5 mi. Repair Contr. 3172, Highway 5253, Jasper-Addison Rd., Steuben Co., to Valerio Constr. Co., Railroad St., New Milford, Conn., $471,937 e. e. $630,319; 5.12 mi. Repair Contr. 3171, Highway 544, Johnstown-Broadalbin Rd., Part 1, Fulton Co., to J. Thompson, Carthage, $200,813 e. e. $260,025; 4.37 mi. Repair Contr. 1614, Highway 721, White Creek County Line Rd., 97 Shunpike, Washington Co., to Collins Bros., Stillwater St., Mechanicville, $222,626 e. e. $275,421; 3.15 mi. Repair Contr. 3170, Highway 592, Auburn-Elbridge Rd., Cayuga Co., to C. S. Wing, Tully, $176,421 e. e. $224,564; 5.25 mi. Repair Contr. 1582, Highway 1010, Livonia Village 717, Livonia-Ontario County Line Rd., Livingston Co., to W. L. Collins, Hornell, $205,519 e. e. $265,728; 3.12 mi. Repair Contr. 1605, Highway 881, Blodgett Mills-Cortland Rd. 378 McGrawville Rd., Cortland Co., to Miller, Hayes & Gillette Constr. Corp., Watertown, $127,646 e. e. $159,700; 0.19 mi. Repair Contr. 1612, Moravia Niles Highway 591, Repair Contr. 1613, Groton-Locke-Moravia Highway 1016, Cayuga Co., to F. P. Arnold, Syracuse, $26,569 e. e. $31,689; 3.22 mi. Repair Contr. 1610, Highway 5587, Syracuse-Fayetteville Highway, Onondaga Co., to Provo Bros., 604 North Salina St., Syracuse, $209,610 e. e. $257,-260; 4 mi. Repair Contr. 1606, Highway 5143, Elbridge-Camillus Rd., Part 2, Onondaga Co., to McKibbons-Rockwell Corp., Hornell, $228,756 e. e. $302,228; 0.17 mi. Repair Contr. 1618, Highway 5314, Scotia-High Mills Rd., Schenectady Co., to Kingsbury Constr. Co., Hudson Falls, $39,213 e. e. $53,031; 2.42 mi. Repair Contr. 1650, Highway 198, Delaware Turnpike, Part 4, 366 New Scotland-Wolf Hill Rd., 466 Wolf Hill-Berne Rd., Albany Co., to T. S. O'Brien, Albany, $119,984 e. e. $155,194; 0.56 mi. Highway 1763, Canajoharie Village-Moyer St. Rd., and reconstructing 79 ft. plate girder bridge, on Highway 107, Repair Contr. 1620, Fultonville-Glen Rd., both Montgomery Co., to E. S. Smith, 1025 Washington St., Watertown, $38,710 and $16,231 respectively, e. e. $47,518 and $18,-913 respectively. Grand total $4,060,790. Noted May 28.

N. Y., Brooklyn—Park Bd., W. R. Herrick, pres. Dept. Parks, Arsenal Bldg., Central Park, New York City, improving Shore Rd. Dr., here, to M. J. O'Hara, Neptune Ave. and West 19th St., $317,828. Noted June 2.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to C. R. Contg. Co., 2266 Gravesend Ave., grading East 2nd St. $4,624, to G. M. Mandato, 201 Neck Rd., East 5th St. $4,070, to F. DeVito, 158 17th St., Lenox Rd. $2,282, and Fort Hamilton Parkway $1,209, and to J. C. Dempsey, 516 Prospect Ave., Stanley Ave. $10,100; to J. Gallo, 203 Division St., granite block paving Flushing Ave., $53,-329; to D. J. McCoy Asphalt Corp., Avenue U and East 57th St., sheet asphalt paving East 15th St. $15,278, East 35th St. $16,-640, and East 40th St. $12,922, to Highway Impvt. & Repair Co., 50 Church St., New York City, East 43rd St. $8,699 and Lefferts Ave. $21,904, to B. Turecamo, 8706 Bay 12th St., West 4th St. $16,349, to Brooklyn Alcatraz Asphalt Co., 407 Fort Hamilton Ave., 52nd St. $13,717, 53rd St. $9,504, 78th St. $8,722, 82nd St. $9,056 and Gravesend Ave. $43,996; and to Sicilian Asphalt Paving Co., 41 Park Row, New York City, sheet asphalt repaving various streets, $30,500. Grand total $282,901. Noted May 26.

N. Y., Freeport — Bd. Village Trustees, 50 West Merrick Rd., permanent asphalt paving 46,200 sq.yd. various streets, to Good Roads Eng. & Contg. Co., Lynbrook, $131,417. Noted June 2.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to J. J. O'Brien, Jr., William St., Jamaica, sidewalks on 112th St. $6,044, to C. Kurth, Inc., 37 Brotto Ave., Elmhurst, 107th Ave. $7,568, to Stanhy Constr. Co., Northern Blvd., Steinway Ave. $82,255, and to J. Gallo, 203 Division St., Brooklyn, Mills St., $13,072; to Uvalde Asphalt Paving Co., 1 Bway., New York City, grading and sheet asphalt paving Pitkin Ave. $25,473, 78th St. $37,780, Cooper Ave. $15,141, to W. P. McDonald Constr. Co., Lawrence St., Brooklyn, 53rd St. $14,939, Union Turnpike, $64,-923, and Jericho Turnpike $76,537; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, 112th St. $15,477, and in 107th Ave. $38,850, to W. J. Fitzgerald, 547 West 45th St., New York City, Rockaway Blvd., $213,785. Grand total $611,844. Noted June 2.

N. Y., Syracuse — Bd. Contr. & Supply, City Hall, paving Lancaster Ave., to L. P. Marsolino, Binghamton, $65,745; Ross Park to Rago Bros., Union Bldg., $38,320; Circle Rd. and South Townsend St., to J. H. Gallup, Merchants Bank Bldg., $17,458 and $10,130 respectively; Shonard St. and Concord Pl., to Dale Eng. Co., 1066 North Geddes St., $17,652 and $5,404 respectively. Grand total $154,709. Noted May 12.

New Jersey—State Hy. Comn., Trenton, June 13, grading and 8 in. double line rein.-con. paving Yellow Frame-Blairstown Rd., Route 3, Warren Co. from Korp & Korp., Phillipsburg, $281,950; and Beaver Lake-Hamburg Rd., Route 8, Sect. 9, Sussex Co., from Salmon Bros., Main St., Netcong, $403,908. Noted May 26.

N. J., Millburn — Twp. Com., concrete paving Old Short Hills Rd., to South Orange Paving Co., 172 South Ridgewood Rd., South Orange, $47,082.

N. J., Woodbury—Gloucester Co., Court House, graveling, etc. approximately 2 mi. Clements Bridge Rd., Deptford Twp., to Union Paving Co., 123 South 21st St., Phila., Pa., $95,963. Noted May 28.

Pa., Pittsburgh — Repaving Southern Ave., to Booth & Flinn, Ltd., Forbes St., $88,824. Engrs. est. $85,000.

Maryland — State Roads Comn., Baltimore, concrete shoulders on 1.91 mi. Contr. B-4-A, Baltimore Co., to P. Reddington & Son, 2 East Lexington St., Baltimore, $14,-739; graveling 2.99 mi. Contr. Ch-41, Charles Co., to E. R. Jarboe, Mechanicsville, $27,758; and concrete paving 1.41 mi. Contr. C1-48, Carroll Co., to Gosnell Long Co., Frederick, $32,748. Grand total $75,245. Noted May 12.

Maryland — State Roads Comn., Baltimore, concrete paving 1.5 mi. Contr. W-46, Washington Co., to L. R. Waesche, Thurmont, $32,189, and 1 mi. Contr. Co-41, Caroline Co., to Layfield & Waller, Salisbury, $20,099; concrete shoulders on 7.3 mi. Contr. P-2-A, Prince George Co., to H. S. Swann, La Plata $54,802, and 3.15 mi. Contr. 45-C, Montgomery Co., to J. P. Maher, 4325 15th St. N. W., Wash., D. C. $22,652. Grand total $129,742. Noted May 12.

Md., Towson—Baltimore Co., concrete paving 1 mi. Lyon Mills Rd. and 1.2 mi. Smith Ave., Group 7, to Ward & O'Connell, 3114 Presbury St., Baltimore, $53,132.

Va., Pulaski—Improving various streets, to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., $72,186.

W. Va., Huntington—For 4 in. brick on 6 in. concrete paving 5th Ave., to L. J. Gillespie, Huntington, $93,550.

W. Va., Clarksburg—Grading and brick paving Monticello Ave., to P. S. Hornor Co., Clarksburg, $30,400.

South Carolina — State Hy. Dept., Columbia, concrete paving 14.997 mi. Route 41, Federal Aid Project 59, Berkeley Co., to Porter Constr. Co., Dothan, Ala., $375,180.

Miss., Gulfport — Harrison Co., 2½ in. sheet asphalt on 4 in. concrete paving 24,-800 ft. Cedar Lake Rd., to Southern Paving Co., Volunteer Life Bldg., Chattanooga, Tenn., $97,778. Former contract rescinded. Noted May 12.

Miss., Jackson—Asphalt paving 9 blocks various streets, to Kaw Constr. Co., New England Bldg., Topeka, Kan., $37,851.

Miss., Louisville—Winston Co., graveling, etc., 6.994 mi. Federal Aid Project 74-D, 16 ft., to Bawson Bros. & Beaver, Inc., Memphis, Tenn.

La., Abbeville — Police Jury Vermillion Parish, improving roads in Dist. 5, to H. Schriefer, Abbeville, $16,033; and in Dist. 6, to G. A. Shows Co., Kaplan, $35,072. Noted Mar. 3.

Ky., Louisville—Kentucky rock asphalt paving 3,000 ft. section Western Parkway, 36 ft., to J. U. Schickli & Bros., 26th and Greenwood Sts., $29,000. Noted Mar. 24.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., surface treating 29.69 mi. roadways in Putnam, Van Wert and Wyandot Counties, to Ohio Road Impvt. Co., Chamber of Commerce, Columbus, $21,105; also bituminous surface treating 21.75 mi. roadways in Hancock, Hardin and Union Counties, to L. Dehmer, Tiffin, $19,178.

O., Akron — Summit Co., grading and traffic bound slag paving, etc. 1.87 mi. Akron-Copley Rd. C. H. 24, Sect. D, 18 ft. to Costigan-Shroyer Constr. Co., Metropolitan Bldg., $30,066. Engrs. est. $30,200. Noted June 9.

O., Cleveland—To Gould & Maybach, 16311 Saranec Rd., paving, etc. Cherokee Ave. $35,850, Iowa Ave. $22,627, and Nottinghan Rd. $45,284. Grand total $103,761.

O., Cleveland—Paving, etc., Euclid Ave., to H. G. Herring, Wayside Rd., $2,845; and East 117th St., to Cleveland Trinidad Paving Co., The Arcade, $9,426.

O., Cleveland—Cuyahoga Co., curbing, guttering and concrete paving, etc., 20,900 sq.yd. West 35th St., to Freshwater Constr. Co., Davis & Farley Bldg., $125,549.

O., Cleveland—Cuyahoga Co., curbing, guttering and concrete paving, etc. 24,200 sq.yd. Mill Rd., to N. Siegel, 1668 Eddington Rd., Cleveland Heights, $118,157. Engrs. est. $118,157. Noted May 26.

O., Columbus—Bd. Comrs. Franklin Co., grading and Scioto rock asphalt paving, etc., 2.915 mi. Briar and Rose Ave., Wildwood, Woodley, Lakewood Dr., North Bay Dr., Cardinal Court, Maplewood Dr. Roads, 24 ft., all in Blenton Twp., to H. B. Watters Co., 210 Commerce Bldg., $103,608. Noted June 2.

O., East Liverpool—Grading and brick paving, etc., Laura and Ephrian Sts., to Allison-Harris Constr. Co., East Liverpool, $27,500. Engrs. est. $25,000.

O., Euclid—Walks and bituminous concrete paving, etc. Park and East Park Drs., to F. B. Stein, Inc., Euclid, $35,672.

O., Lisbon — Comrs. Columbiana Co., grading, etc., Elkton-Clarkson Rd., to B. Francis, East Palestine, $85,997. Engrs. est. $85,000. Noted Apr. 7.

O., Oakwood (Dayton P.O.)—Sheet asphalt paving 20,000 sq.yd. several streets in Far Hills Plot, to Republic Asphalt Paving Co., 832 South Ludlow St., Dayton, $88,435. Noted May 19.

O., Parma (br. Cleveland)—Paving, etc., Charles Ave., to Cleveland Trinidad Paving Co., The Arcade, Cleveland. $45,000.

O., Silver Lake (mail Cuyahoga Falls)—Paving, etc. 8 streets, to McCourt Constr. Co., 369 South Main St., Akron, $94,481.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, 7 and 9 in. concrete paving 8.874 mi. F. A. 95, Sect. B, Road 41, Benton and Warren Counties, 18 ft., to C. W. Clark Co., 511 Terra Haute Trust Bldg., Terra Haute, $181,845; grading 8.5 mi. Road 56 between Salem and Scottsburg, Washington and Scott Counties, to J. C. Ellis, Rockport, $79,320. Noted May 19.

Ind., Crawfordsville—Comrs. Montgomery Co. **(e.e. means engrs. est.)** concrete paving Bowers and Mangus Rds., to McConn Constr. Co., Noblesville, $65,919 and $47,-955 respectively, e.e. $74,854 and $52,447 respectively; graveling 1½ mi. Cox-Cousar-Dowden Rd., incl. 200 ft. span bridge, to M. B. Wood, Crawfordsville, $28,000. e.e. $34,608. Noted June 2.

Ind., Crown Point — Comrs. Lake Co., waterbound macadam paving 1½ mi. Wirtz Rd., to J. W. Wheeler, Crown Point, $18,-700, and 2 mi. Twp. Line between Center and Hanover Twps., to W. F. Black Co., Crown Point, $38,000; also concrete paving 2 mi. Hilkin and Hazelgreen Rds., to J. Sunderman Co., Gary, $80,000. Grand total $136,700. Noted May 12.

Ind., Crown Point—Lake Co., constructing Smith Rd., to J. Wheeler $35,295, Brown and T. N. South Rds., to W. Black $26,-850 and $15,350 respectively, and Jos. Kyle Rd. in Gary, to Courtright Constr. Co. $45,850. Grand total $123,345. Address all above contractors c/o W. E. Whitaker, aud., Crown Point.

Ind., Greensburg—Decatur Co., concrete paving North Lincoln St., to W. W. Minick, Newcastle, $23,172; and Robertson Rd., to Avery & Fairbanks, Waldron, $6,950. Noted May 26.

Ind., Jeffersonville—P. Spurgeon, city engr., stone curbing, concrete sidewalks and concrete paving approximately 2 mi. sections Indiana Ave. to Riverside Dr., Ohio, Maple and Division Sts. to T. F. O'Neil, Pearl St., $27,500. Engrs. est. $28,000.

Ind., Kokomo—Constructing Bell St., to Kokomo Paving Co., Kokomo, $20,600; and 7 in. rein.-con. paving Lindsay St., to Record Paving Co., Kokomo, $29,824.

Ind., Laporte — Comrs. Laporte Co., waterbound macadam paving 6.69 mi. Alfred Kemper Rd., to R. DeMass, Chesterton, $94,345. Engrs. est. $109,655.

Ind., Marion — Comrs. Grant Co., constructing Garthwaite Rd., to Manmix Bros., Mansfield, O., $50,800.

Constr. News page 403

Streets and Roads (Continued)

Ind., Portland—Jay Co., stone macadam paving 2 1/6 mi. Coulson Rd., to G. W. Fennig, New Corydon, $32,864, engrs. est. $35,127; and Voltaw Rd., to H. Iliff, Ridgeville, $7,998 engrs. est. $10,571. Noted May 19.

Ind., Warsaw—Kosciusko Co., concrete paving Logan Kimes Rd., to R. L. Harris, State Rd., Fort Wayne, $39,173.

Michigan — State Hy. Dept., at office Village Clerk, Three Oaks, concrete paving 9.165 mi. F. A. 236, Sect. A. F. 011-20, Contr. 1, to G. P. Scharl, Crathmore Hotel, Grand Rapids, $249,305. Noted May 12.

Michigan—W. W. Lavers, resident engr., Plymouth, concrete paving 1.175 mi. S. T. L. 10-39, E. Mo63-3, Oakland Co., 20 ft., to R. D. Baker Co., 1454 Penobscot Bldg., Detroit, for State Hy. Dept., Lansing, $75,020.

Mich., Detroit—Stone curbing, and 3½ in. sheet asphalt on 8 in. concrete paving Oakman Blvd. Sect. 6, and 12 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $282,488; DeSota, Tuller and Turner Aves., to Cleveland Trinidad Paving Co., 402 Hammond Bldg., $55,731.

Mich., Detroit—Stone curbing and 3½ in. sheet ashpalt on 8 in. concrete paving 32,500 sq.yd. Whittier Ave., to Detroit Asphalt Paving Co., 909 Transportation Bldg., $111,748.

Mich., Detroit—Stone curbing and 3½ in. sheet asphalt on 8 in. concrete paving 12 avenues, to Cooke Asphalt Paving Co., 1216 Penobscot Bldg., $341,491; and Lawton Ave., to Cleveland Trinidad Paving Co., 402 Hammond Bldg., $7,372. Grand total $348,863.

Mich., Fordson—Concrete curbing, and one course 8 in. concrete paving Assessment Dists. 191 and 192, to White Constr. Co., 1548 Buhl Bldg., Detroit, $14,978 and $38,771 respectively.

Mich., Muskegon—Muskegon Co., grading and 2 in. asphaltic concrete paving 11,733 sq.yd. Lake Harbor Rd., to Globe Constr. Co., 462 Portage St., Kalamazoo, $23,086. Engrs. est. $25,000. Noted May 26.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., concrete paving 55th St. through Gage Park, 31st St. Viaduct and Oakwood Ave. West approaches to viaduct, to R. F. Conway, 844 Rush St., $90,789.

Ill., East St. Louis—To L. Rich Constr. Co., 2038 St. Clair Ave., curbing, guttering and 8 in. rein.-con. paving 1,780 sq.yd. Exchange Ave. $7,244, 1,310 sq.yd. 18th St. $5,454, and 4,000 sq.yd. 47th St. $19,503; to Moore Bros. Constr. Co., 2000 St. Clair Ave., 1,450 sq.yd. Kansas Ave. $6,832, and 3,880 sq.yd. 44th St. $16,129. Grand total $55,162. Noted Feb. 17.

Ill., Galesburg — Grading, curbing and vitr. brick on concrte paving 1 block Madison St., 24 ft., to H. H. Gunther, 571 North Seminary St., $10,914, engrs. est. $11,715; and 6 blocks Monroe St., 27 ft., to Graham-King Constr. Co., 550 South Cedar St., $15,025, engrs. est. $16,057.

Ill., Granite City — Grading, curbing, guttering, sewers and 8 in. rein.-con. paving 6,100 sq.yd. Cayuga St., to City Contg. Co., Granite City, $30,336; and 2,400 sq.yd. 27th St., to Smallwood Bros., Granite City, $11,625. Noted May 26.

Ill., La Grange—For 8 in. rein.-con. paving 63,840 sq.yd. various streets, to Arcole Constr. Co., Evanston, $233,716. Noted Dec. 16.

Ill., Niles (mail Chicago)—Cook County Highway Dept., County Bldg., Chicago, improving 1 mi. Harlem Ave., 30 ft., to W. A. Black Co., 565 West Washington Blvd., Chicago, $61,715. Noted May 19.

Ill., Park Ridge—Paving portions Western, Ashland and Ozanum Aves., to Arcole Constr. Co., Evanston, $48,137. Noted June 2.

Ill., Riverside—Rein.-con. paving 19,849 sq.yd. Kent Rd., Quincy and Akenside Sts., to A. Graf & Co., 30 North La Salle St., Chicago, $81,841. Noted June 2.

Ill., Rockford—Grading, curbing, and concrete paving 20,300 sq.yd. 17th Ave., to F. N. Johnson, 129 North Main St., $70,337, engrs. est. $63,560; also grading, curbing and warrenite paving 1,025 sq.yd. Chamberlain St., to Northern Illinois Supply Co., 110 North Court St. $3,654, engrs. est. $5,000. Noted May 12.

Ill., Westmont—To McGeean Constr. Co., 2158 Ogden Ave., Chicago, 4,400 cu.yd. grading at $0.80 per cu.yd. 7,950 sq.yd. concrete paving $2.60, 5,750 lin.ft. curbing and guttering $1.25, etc. total $37,690. Noted May 26.

Wisconsin — State Hy. Comn., Nicolet Bldg., Green Bay, grading, concrete paving, etc., 58,260 sq.yd. Two Rivers-Manitowoc Rd., Federal Aid Project 367-B, Manitowoc Co., to J. R. Griffith Co., Racine, $131,450. Noted May 26.

Constr. News page 404

Wisconsin—State Hy. Comn., Madison, to J. O. Legreid, Stoughton, concrete paving, etc. 17,754 sq.yd. Shullsburg Monroe Rd., Federal Aid Project 374-D $55,864, 20,540 sq.yd. Monroe-Argyle (east end) Rd., Job 1077 $57,786, and 34,429 sq.yd. (west end) same road, Job 1079 $120,361; to J. Gunnison & Sons, Madison, graveling 6,000 sq.yd. Russells Corners-Portage Rd. $9,300, and to P. W. Ryan & Sons, Janesville, 7,000 cu.yd. Baraboo-Kilbourn Rd., $11,690. Grand total $255,001. Noted May 5.

Wisconsin—State Hy. Comn., Div. Office 2, Stephenson Bldg., Milwaukee, concrete paving, etc., 44,390 sq.yd. Project 420-B, to Carroll Constr. Co., 793 Jackson St., Milwaukee, $135,617; and improving Project 349-A, to Milwaukee General Constr. Co., 427 Mitchell St., Milwaukee, $10,737. Noted May 12.

Wisconsin—State Hy. Comn., Eau Claire, concrete paving, etc. 82,861 sq.yd. New Auburn-Chippewa Falls Rd., State Project 6939, Chippewa Co., to Cast Stone Constr. Co., Eau Claire, $236,900; and shale surfacing, etc., 10,872 cu.yd. Augusta-Fairchild Rd., State Project 6863, Eau Claire Co. to H. P. Nelson, Osseo, $41,518.

Wis., Green Bay—Brown Co., G. J. Cormier, comr., concrete paving, etc. 55,153 sq.yd. Job 3008, to Garnock Constr. Co., Eau Claire, $155,070; 13,448 sq.yd. Finger Rd., to Jorgenson Constr. Co., Denmark, $33,230; and 3,200 sq.yd. Deckner Rd., to J. McCarty Constr. Co., Kaukauna, $7,884. Grand total $196,184.

Wis., Jefferson—Jefferson Co., H. J. Grell, comr., concrete paving, etc. 21,015 sq.yd. Whitewater-Eagle Rd., Div. Job 1879, to Milwaukee General Constr. Co., 427 Mitchell St., Milwaukee, $47,373.

Wis., Waukesha—Waukesha Co., C. J. Hahn, comr., concrete paving, etc. 44,775 sq.yd. Hartland-North Lake Rd., Div. Job 2719, to S. & H. Constr. Co., 92 Mason St., Milwaukee $95,403; 19,263 sq.yd. Genesee-Wales Rd., Div. Job 2711, and 44,282 sq.yd. Eagle-Palmyra Rd., Div. Job 2713, to Milwaukee, General Constr. Co., 427 Mitchell St., Milwaukee, $42,592 and $113,707 respectively. Grand total $251,702.

Ia., Algona—Kossuth Co., to J. Schumacher, Bancroft, improving Dists. 13 and 89, S-146 and S-158, 22,847 cu.yd. gravel 1 mi. haul, at $0.25, $0.26, $0.28 and $0.30 per cu.yd., 133,935 units overhaul $0.069 to $0.08, and 8,500 cu.yd. stripping $0.15, $0.16 and $0.20.

Ia., Algona — Kossuth Co., to M. O. Weaver, Iowa Falls, improving Secondary Dists. 86 and S-159, 11,035 cu.yd. gravel, crushed, hauled 1 mi. and spread at $0.58 per cu.yd., 92,375 units overhaul $0.075 and $0.085, 4,100 cu.yd. stripping $0.25 and $0.26; to W. D. Knoll, Buffalo Center, improving Secondary Project S-64, and county maintenance graveling, 34,730 cu.yd. gravel 1 mi. haul $0.30 to $0.35, 156,335 units ½ mi. haul $0.07 and $0.075, also 14,900 cu.yd. stripping $0.20. Noted May 12.

Ia., Exira—Curbing, guttering and 7 in. concrete paving 12,000 sq.yd. various streets, to Carlson Constr. Co., Marshalltown, $31,560. Noted May 26.

Ia., Hampton—Franklin Co., to C. McDonald, Mankato, Minn., improving Primary Secondary Project S-139, 40,480 cu.yd. earth excav. at $0.28 per cu.yd., 300 cu.yd. rock $0.75, 13,000 cu.yd. channel excav. $0.037, and 492 ft. culvert labor $0.25 to $0.40, etc.; to H. J. Larsen, Dows, improving Primary Project S-140, 35,985 cu.yd. earth excav. $0.25, 200 cu.yd. loose rock $1, and 100 cu.yd. solid rock $1.75, 568 ft. culvert labor, etc., $0.25 to $0.40; to C. J. Pegam, Hampton, 2,310 ft. 6 in. tile drain at $0.15 per ft., and 17 intakes $20 each.

Ia., Keokuk—Warrenite bitulihtic paving 17,200 yd. High St., to Cameron-Joyce-Smith-Elder Co., Keokuk, at $1.61 per sq.yd.

Ia., Keokuk—Warrenite bitulithic paving 15,600 sq.yd. Fulton St., to Cameron-Joyce-Smith-Elder Co., Keokuk, at $1.61 per cu.yd.

Ia., Nevada — Story Co., improving secondary roads, 26,200 cu.yd. gravel 1 mi. haul, 328,000 units overhaul and 3,600 cu.yd. stripping, to Moore & Eldridge, Clemons, $29,836.

Ia., Rockwell City — Calhoun Co., to Hartman & Peterson, Laurens, improving Project S-144, 19,342 cu.yd. earth excav. at $0.298 per cu.yd., and 900 cu.yd. loose rock at $1.50, and 21,463 sta.yd. overhaul $0.02; to A. R. Reno, Rockwell City, improving Projects S-55, S-90 and Township Road System, 24,700 cu.yd. gravel 1 mi. haul $0.28 to $0.35, 172,500 units ½ mi. haul $0.065, and 8,400 cu.yd. stripping $0.20.

Ia., Rockwell — Calhoun Co., to A. R. Eno, Rockwell City, improving Township Road System, 8,125 cu.yd. gravel 1 mi. haul at $0.30 and $0.35 cu.yd., 32,500 units ½ mi. haul $0.065, and 1,600 cu.yd. stripping $0.20.

Ia., Sioux City—To Jansen & Krage, 205 Metropolitan Bldg., curbing, sidewalks, paving, etc. 43,300 sq.yd. various streets at $1.91 to $2.04, per sq.yd. curbing at $0.28 and $0.29, sidewalks at $0.25, also 7,500 sq.yd. car track paving at $3.18; to Harrigan & Jorgansen, Sioux City, 1,150 ft. alley paving at $1.98, and 7,800 ft. sidewalks at $0.19.

Ia., Spencer—Clay Co., to A. B. Teeple, Lake View, improving Maintenance Project M-831, 3,600 cu.yd. gravel 1 mi. haul at $0.37, 12,500 cu.yd. gravel, crushed, screened, 1 mi. haul $0.42, 70,275 additional units $0.08, and 3,750 cu.yd. stripping $0.22. Noted May 12.

Ia., Washington—Washington Co. to J. B. Hannah, Keokuk, improving 5.46 mi. Brighton Rd., Project P-253, 65,824 cu.yd. earth excav. at $0.33 and $0.40 per cu.yd., 100 cu.yd. loose rock $50 and 100 cu.yd. solid rock $2.50, 76,600 sta.yd. overhaul $0.02, and 1,080 ft. culvert labor $0.40.

Ia., West Union—Fayette Co., to J. W. Peed & Son, Ft. Dodge, improving Federal Aid Project 168, 204,470 cu.yd. earth excav. at $0.285 per cu.yd., 1,185 cu.yd. at $0.30, 700 cu.yd. loose rock at $1, and 699 cu.yd. solid rock $3, 110,000 sta.yd. overhaul, $0.02, and 360 ft. 15 and 18 in. culvert labor $0.40.

Minn., St. Paul—A. E. Eggert, city purch. agt., oil asphalt paving, etc. Minnehaha St. between White Bear Ave. and east city limits, to Feyen Constr. Co., 277 Burgess St., $50,460. Noted May 12.

Minn., Virginia—For 6 in. concrete paving 15 blocks various streets, to C. A. Johnson, Virginia, $25,524.

Minn., Winona—City, c/o G. W. Hoffmann, recdr., 7.5 in. rein.-con. paving, etc., approximately 19,000 sq.yd. 2nd Ave., to Feyen Constr. Co., 277 Burgess St., St. Paul, $48,600. Noted June 2.

Kan., Baxter Springs—Concrete paving, etc., approximately 20,000 sq.yd. Military and East Aves., also 5,000 ft. 8 and 10 in. vitr. clay sewers in Dist. 3 South, to Frye Contg. Co., Iola, $38,000 and $6,121 respectively. Noted June 2.

Kan., Cimarron—Grading, and 4 bridges on 9.071 mi. Federal Aid Project 56-D, 30 ft., to Shuss & Henderson, Larned. $42,237. Noted May 12.

Kan., Eureka — Clerk Greenwood Co., grading and concrete paving, etc., 7.803 mi. Federal Aid Project 239-E, 28 ft., to S. W. Poor, 927 Lincoln St., Topeka. $36,265. Noted May 5.

Kan., Holton—Jackson Co., Blue River sand surfacing 15½ mi. road from Holton to Hoyt, and Kaw River sand surfacing 4½ mi. from Hoyt to Shawnee Co. line, State Aid Project 25, to Koehler Constr. Co., Sterling, Neb., $3.01 and $2.58 per yd. delivered and placed in windrow, respectively.

Kan., Iola—Allen Co., grading and concrete surfacing 3.004 mi. Federal Aid Project 328-B, to M. R. Ammerman, 248 North Market St., Wichita, $82,782. Noted June 2.

Kan., Minneapolis—See "Bridges."

Kan., Paola—Miami Co., 3 in. bituminous filled brick paving 5.769 mi. Federal Aid Project 293-A, to Geiger & Rutherford, 626 Cherokee St., Leavenworth, Kan., $196,273. Noted May 5.

Kan., Pittsburg—Grading, curbing, guttering, 14,448 sq.yd. brick on 5 in. concrete paving and relaying 3,927 sq.yd. old brick on 5 in. concrete paving, etc., North Bway., to Independent Constr. Co., Pittsburg, $72,338.

Kan., Russell—Russell Co., grading and bridge on 6.263 mi. Federal Aid Project 301-E, to Hall-Hardman Constr. Co., Alton, $29,271 and $2,612 respectively.

Kan., Salina — Salina, Co., grading, etc., 8.543 mi. Federal Aid Project 374-A, 30 ft., to Wyland, Lattin & Yard, Osborne, $36,605; 3 bridges on same road, to J. E. Hed, Salina, $18,213, and 4 bridges, to Erickson Constr. Co., Lindsborg, $24,326. Noted May 19.

Kan., Topeka—Asphalt paving, etc., approximately 78,000 sq.yd. various streets, to Kaw Paving Co., 100 Topeka Ave., $287,999. Noted June 9.

Neb., Bancroft—G. C. Teich, city clk., grading and graveling, etc. 32,200 yd. streets in Paving Dist. 1, to Roberts Constr. Co., 415 1st Natl. Bldg., Lincoln, $20,325. Noted May 19.

Neb., Fairbury—L. C. Simpson, city clk., grading and 2.5 in. brick on 5 in. concrete

Streets and Roads (Continued)

paving, etc. 12,200 sq.yd. C St., Dist. 15 to Roberts Constr. Co., 415 1st Natl. Bldg., Lincoln, $45,953. Noted May 12.

Neb., Holdrege—Phelps Co., 2 in. graveling 59,000 sq.yd. Project 1, to Allied Contractors, Inc., 1803 Douglas St., Omaha, at $0.144 per sq.yd.; and approximately 8,166 cu.yd. Projects 2 and 3, to P. Sawyer, Scotts Bluff, $2.35 per cu.yd.

Neb., Winside—A. H. Carter, city clk., Johnson method concrete paving, etc. 22,341 yd. various streets, to Booth & Olson, Sioux City, Ia., $63,527. Noted May 26.

Wyo., Rawlins—For 6 in. concrete paving 29,600 yd. streets in Dists. 2 and 3, to Allied Contractors, 1803 Douglas St., Omaha, Neb., $67,602.

Mo., Independence—Comrs. Jackson Co., approximately 3 m.g. oil on various roads, to P. Patton, 1921 Woodland Ave., Kansas City, at $0.0695 per gal. Noted June 2 under "Materials."

Mo., St. Joseph—Grading and asphalt paving, etc. 75,000 yd. Sects. A and B, Hyde Park to Bartlett Park, to Metropolitan Paving Co., 7th and Olive Sts., $192,000. Noted June 2.

Arkansas—State Hy. Dept., Little Rock, improving 1.417 mi. road from Hot Springs to Malvern, Rd. Dist. Impvt. 2, Federal Aid Project 235-A, Garland Co., 5,442 cu.yd. solid rock and 4,039 cu.yd. common excav., 4,802 cu.yd. borrow, 14,968 sq.yd. concrete paving 3,960 lb. reinforcing steel, etc., to G. D. Nichols & Son, Cottage St., Hot Springs, $47,724.

Ark., Bentonville — Grading, curbing, guttering, removing 1,300 sq.yd. cross walks, 7 in. concrete paving, etc., 11,154 sq.yd. various streets, to E. H. Locker Co., Bentonville, $30,865.

Ark., McGehee—Grading and 6 in. concrete paving 20,000 sq.yd. Paving Dist. 1, also curbing, guttering, sewers, and grading 30,000 cu.yd. Curb, Gutter, Storm Sewer and Street Crossing Dist. 1, to H. E. Monk, 818 West 20th St., Pine Bluff, $127,550 and $102,577 respectively. Engrs. est. $121,000 and $110,000 respectively.

Ark., Prescott—Grading, curbing and 6 in. concrete paving 25,000 sq.yd. Paving Dist. 2, to Selz Constr. Co., McGehee. $58,-268. Engrs. est. $64,000. Noted May 12.

Tex., Corpus Christi—Asphalt and concrete paving 11 blocks Leopard St., to Smith Bros., Crockett, approximately $60,000.

Tex., Merkel—For 2½ in. brick on 5 in. concrete paving 17 blocks various streets, to Panhandle Constr. Co., Lubbock, $61,754.

Tex., San Antonio — City will widen 6 blocks Main Ave. from Houston St. to Romana Plaza, by day labor. $500,000. City appropriates $75,000 and property owners $425,000 toward cost. I. Ewig, city engr.

Tex., Slaton — Permanent paving 18 blocks various streets, to L. H. Howard, Slaton, approximately $60,000.

Tex., Sweetwater — Asphaltic macadam on waterbound macadam paving 8 blocks East North 4th and West North 4th Sts., to W. E. Burke, Sweetwater, approximately $30,000.

Oklahoma—State Hy. Dept., Oklahoma City, grading and paving 1.043 mi. State Aid Project 338, Alfalfa Co., and 1.024 mi. State Aid Project 339, Woods Co., both 30 ft., to Rightmire & Baldwin, Ponca City, $37,209 and $27,749 respectively. Engrs. ests. $40,000 and $30,000 respectively. Noted May 12.

Okla., Stillwater—Payne Co., grading and concrete surfacing 16,410 sq.yd. Glencoe Rd., to T. Gudgel, Stillwater, $38,075. Engrs. est. $40,000.

Okla., Watonga—Grading, curbing, concrete paving, etc. 8,770 sq.yd. Main St., to Connelly Bros., El Reno, $26,319. Engrs. est. $31,600. Noted June 9.

Okla., Wewoka—Grading, curbing and concrete paving 31,610 sq.yd. Dist. 9, to Hansen & Pearce, 519½ West Main St., Oklahoma City, $122,419. Engrs. est. $140,-000. Noted May 19.

Wash., Ellensburg—Comrs. Kittitas Co., grading, bridging and concrete paving, etc. 6.14 mi. Thorp Rd., 18 ft., to Moceri Bros., 924 23rd Ave., Seattle, $153,638.

Wash., Seattle—Bd. Pub. Wks., paving Alki Ave. et al, to J. L. Smith, 304 West 36th St., $54,206.

Wash., Seattle—Bd. Pub. Wks., grading, etc., 26th Ave. N. W., et al, and repaving watermains, etc., in Harvard Ave. N. et al, to J. L. Smith, 304 West 36th St., $29,635 and $110,391 respectively; also grading, paving, etc., 55th Ave. S. W. et al, to J. R. Covello, 1510 16th St. S., $50,524. Grand total $190,550.

Wash., Yakima—Yakima Co., grading and graveling 6 mi. also paving [illegible] Lenox and 9th Aves., to A. S. Wilson, Yakima, $69,131.

Oregon—State Hy. Comn., Salem, grading, etc., 7.96 mi. Wingville Market Rd., 16 ft., Baker Co., to H. C. Boyer, Ontario, $35,246.

California—State Hy. Dept., Sacramento, crushed gravel or stone surfacing, etc., roadway between Tahoe City and Meeks Bay, Placer and El Dorado Counties, to Hemstreet & Bell, Marysville, $47,600.

Calif., Monterey—Curbing, guttering and 1½ in. asphalt on 2½ in. asphaltic concrete paving portions Hellam, Van Buren Sts., etc., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, approximately $28,500.

Calif., San Bernardino—San Bernardino Co., grading and 4 in. concrete paving, etc., 4th Ave. and Cedar Dr., etc., to G. Herz & Co., 456 E St., $78,650. Noted May 26.

Calif., San Diego—San Diego Co., to B. Pearce Contg. Co., 223 Spreckels Bldg., improving National Ave. extension, 600,294 sq.ft. 6 in. concrete paving at $0.2025 per sq.ft., 2,458 lin.ft. curbing $0.50, etc., total $184,820.

Calif., Santa Cruz—S. A. Evans, city clk., grading, curbing, walks and concrete paving Soquel Ave., to Thompson Bros., Fresno, $54,969.

Ont., Brampton—Peel Co. Council, concrete paving 3 mi. third line from Dundas St. to Lake Shore Rd., 20 ft., to Grant Contg. Co., 47 Wellington St. E. Engrs. est. $60,000. Noted May 5.

Ont., Dunnville—Town Council, asphalt repaving 15,000 sq.yd. various streets, to Ontario Amiesite Co., Lumsden Bldg., Toronto. Engrs. est. $45,000.

Ont., Peterborough — S. R. Armstrong, city clk., bituminous concrete on concrete paving, etc., various strets, to Warren Bituminous Paving Co., 54 University Ave., Toronto; and asphalt on concrete paving, etc., various streets, to Ontario Amiesite Co., Lumsden Bldg., Toronto. Work involves 9,800 sq.yd. paving and 6,000 lin.ft. curbing and guttering. Engrs. est. $30,000. Noted May 26.

New Brunswick—State Hy. Dept., Fredericton, constructing 4 mi. highway from Fredericton to New castle, to J. E. Forbes, Fredericton, 6 mi. from Fredericton to Woodstock, to C. I. Churchill, Woodstock, 4.3 mi. from Andover to Grand Falls, to Armstrong Bros., Perth, ½ mi. from Matapedia to Campelton, to Sinclair & McDavid, Campbellton, 8.2 mi. from Aulac to Moncton, to Dexter & Richards, Fairville, 5 mi. from Lopreau to Maces Bay, to A. and R. Forbes, Fredericton, 6½ mi. from Moncton to St. John, and 4.9 mi. from Woodstock to Houlton, to Wheaton & Michell, Moncton; also constructing bridges, to W. R. Fawcett, Pindor, and to F. L. Boone, Devon.

Buildings—Commercial

Proposed Work

Mass., Boston — CLUBHOUSE — Suffolk School of Law, 20 Derne St., having plans prepared by R. T. Jackson, 77 River St., altering and constructing 4 story and basement, brick and stone addition, plain foundation, 73 Hancock St. To exceed $150,000.

Mass., Boston—FIRE STATION—City Fire Dept., E. C. Hultman, fire comr., 60 Bristol St., plans brick, Bowdoin Sq. $350,-000. Engineer and architect not selected.

Mass., Boston—WAREHOUSE—R. H. White Co., 518 Washington St., plans rein.-con. and brick, 51-53 Troy St. To exceed $150,000. Engineer and architect not selected.

Mass., Boston—STORE and OFFICE—Rosary Flower Shop, 685 Boylston St., having plans prepared by J. F. Cullen, 366 A Commonwealth Ave., altering and constructing brick, 217 Newbury St. $150,000.

Mass., Boston—HOSPITAL, etc.—Woodland Hospital, Woodland St., E. E. Kelsey, pres., takes bids about July 1, 5 story and basement, irregular shaped, brick, steel and limestone hospital, nurses home and power plant, plain foundation. $1,500,000. Tensmore, LeClear & Robbins, Park Sq. Bldg., archts.

Mass., Brighton (br. Boston)—APARTMENTS — Interstate Constr. Co., plans 2 modern apartments, one on Chiswick St., and other Braemore Rd. $150,000 or more. E. B. Stratton, 25 Arch St., Boston, archt.

Mass., Quincy (Boston P. O.)—STORE and OFFICE—Granite Trust Co., T. King, 1370 Hancock St., pres., having sketches made 6 story and basement, brick, steel and stone, Hancock and Chestnut Sts. $600,000. Engineer and architect not selected.

Mass., Roxbury (Boston P. O.) — MATERNITY — Massachusetts Women's Hospital, Parker Hill Ave., postponed bids May 11, 2 story and basement, 50 x 160 ft., brick and limestone, plain foundation. $150,000. May readvertise. Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, archts. Noted May 12.

Mass., Stoneham — BANK — Stoneham Five Cents Savings Bank, H. W. Parker, pres., 375 Main St., having sketches made bank, on Geery Estate, Main St. $150,000. Engineer and architect not selected.

R. I., Woonsocket—ORPHANAGE—St. Vincent De Pauls Aslylum, W. A. Hickey, pastor, Fenner St., Providence, plans brick addition, Pond St., here. $150,000 or more. Engineer and architect not selected.

Conn., Danbury—HOSPITAL—Danbury Hospital Assn., Locust Ave., raising $250,-000 funds, hospital addition and nurses home, Locust Ave. Engineer and architect not selected.

N. Y., Binghamton—STAFF ACCOMODATIONS—Dept. Mental Hygiene, Albany, takes bids probably in July, staff accomodations at Binghamton State Hospital, here. S. W. Jones, Capitol, Albany, state archt. Noted May 17.

N. Y., Brooklyn — APARTMENT — St. Pauls Building Corp., c/o M. Courland, archt., 366 5th Ave., New York City, having plans prepared 6 story, 103 x 125 ft., rein.-con., brick and steel, concrete foundation St. Pauls Pl. and Crook Ave. $200,000.

N. Y., Helmuth—FARM DORMITORY—Dept. Mental Hygiene, Capitol, Albany, takes bids probably in July, farm dormitory at Gowanda State Hospital, here. S. W. Jones, Capitol, Albany, state archt. Noted Mar. 31.

N. Y., New York — CLUB — York & Sawyer, archts., 100 East 42nd St., soon takes bids general contract 20 story and basement, rein.-con., brick and steel, plain foundation, 7th Ave. from 58th to 59th Sts., for New York Athletic Club, 58 West 59th St. $4,800,000. Noted Apr. 21.

N. Y., Willard — EMPLOYEES and NURSES HOME—Dept. Mental Hygiene, Capitol, Albany, takes bids probably in July, employees and nurses homes at Willard State Hospital, here. S. W. Jones, Capitol, Albany, archt. Noted May 12.

N. Y., Wingdale—STAFF ACCOMMODATIONS—Dept. Mental Hygiene, Capitol, Albany, takes bids probably in July, staff accommodations for Harlem Valley State Hospital, here. S. W. Jones, Capitol, Albany, state archt. Noted May 17.

N. J., Asbury Park — CONVENTION HALL—E. Hetrick, mayor, rejected bids Jan. 11, brick, steel and stone convention hall, amusement pier and theatre. $2,000,-000. Warren & Wetmore, 10 East 47th St., New York City, archts. Noted Jan. 20.

N. J., Bayonne—OFFICE—Gulf Refining Co., foot East 5th St., soon takes bids general contract 3 story, 40 x 50 ft., brick and steel addition, incl. 3 gas tanks, gas pumphouse and oil heater, plain foundation. $200,000. Private plans.

N. J., Highland Park (br. New Brunswick)—APARTMENT—Owner, c/o H. Rosensohn, archt., 188 Market St., Newark, having plans prepared 4 story, 70x90 ft., brick and steel, plain foundation, Graham Pl. $150,000.

N. J., Irvington (br. Newark)—APARTMENT—Lark Holding Co., c/o Nadel & Fort, archts., 32 Hill St., Newark, having plans prepared 4 story, brick and steel, plain foundation, 40-46 37th St. $150,000.

N. J., Madison — APARTMENT — Feldman & Pirnick, c/o R. Botelli, archt., 45 Branford Pl., having plans prepared 3 story, 90 x 125 ft., brick and steel, plain foundation, Green Village Rd. $150,000.

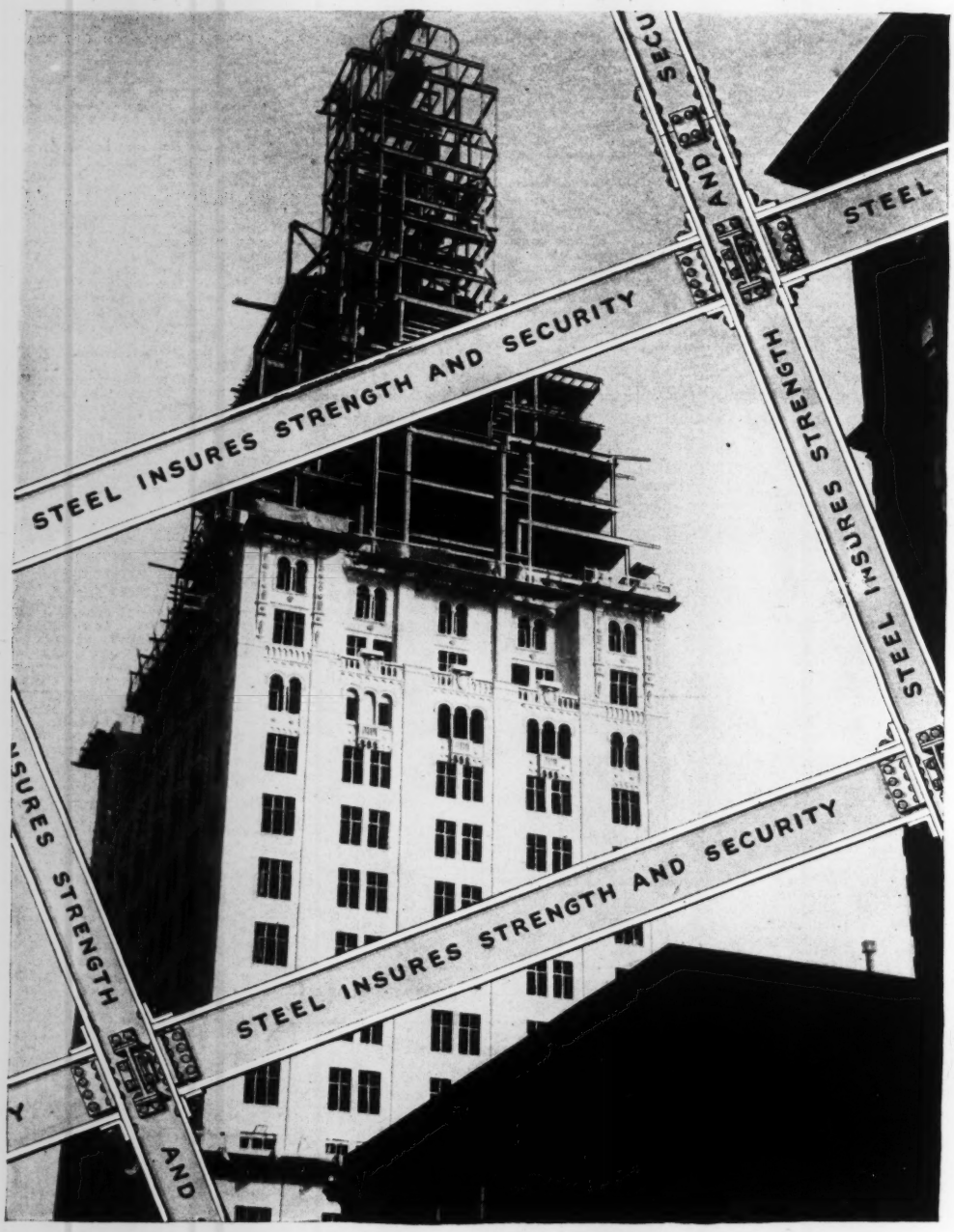
N. J., Maplewood (br. South Orange)—APARTMENT and STORE—P. Pfarr, 417 Clinton Pl., Newark, having revised plans prepared by F. H. Koenigsberger, 48 Walnut St., Newark, 3 story, 60 x 100 ft., brick and steel, plain foundation, Maplewood Ave. $150,000. Noted May 17.

N. J., Newark — APARTMENT — S. Kimmel, 75 Chadwick Ave., having plans prepared by Blaufeux & Kimmel, 131 Tompkins Ave., 4 story, brick and steel, plain foundation, Chancellor Ave. and Wainwright St. $150,000.

N. J., Newark—APARTMENT—G. M. Adlemann, 1377 Boulevard East, West New York, having plans prepared by N. Meyers, 24 Walnut St. 5 story, brick and steel, plain foundation, Elizabeth and Pomona Aves. $200,000. Noted June 9.

N. J., Newark—APARTMENT—B. Parsonnet, 332 Peshine Ave. having plans prepared by N. Siegler, 164 Market St., 4 story, brick and steel, plain foundation, Crawford St., $150,000.

Constr. News page 405



"NO ONE HAD TOLD ME"

A BUSINESS man said to his club-car companion, "Yes, of course my new building is of steel construction, although strangely enough I had originally intended to use other materials. No one had ever told me anything about steel. Fortunately I took the trouble to investigate, and it's a lucky thing for me that I did."

It wasn't the business man's fault that no one had told him about steel. He simply hadn't realized that steel is the strongest, safest, most adaptable of all building materials. The American Institute of Steel Construction is now "telling him" and thousands of other prospective users of structural steel, in extensive educational advertising. Write for copies of our publications—for our Standard Specification and Code of Practice, and for the illustrated fact-book "STEEL NEVER FAILS."

This advertisement is published by the American Institute of Steel Construction, a non-profit service organization of 218 members comprising the structural steel industry in the United States and Canada. The purpose of the Institute is to extend the use of structural steel in construction work of every size and type, from residences to skyscrapers and bridges. The Institute offers fullest co-operation with architects, engineers, the public and all branches of the building trades. Correspondence invited. Address: Lee H. Miller, M. Am. Soc. C. E., Chief Engineer, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, Inc., 285 Madison Avenue, New York City.

Buildings—Commercial (Continued)

N. J., Newark — APARTMENTS — M. Zucker, 24 Branford Pl., having plans prepared by S. Cohen, 134 Branford Pl., 3 story, 40 x 60 ft., brick and steel, plain foundation, 224-258 Shepard Ave. $210,000.

N. J., Newark—HOSPITAL—Stasse & Barnes, archts., 175 5th Ave., New York City, soon lets contract altering and constructing 3 story, brick and steel, plain foundation, 750 High St., here, for Newark Maternity Hospital, 750 High St. $150,000.

N. J., Park Ridge—BANK—Rocker, Hewson & Strashle, archts., soon lets contract 6 East 46th St., New York City, 1 story, brick and steel, plain foundation, here, for 1st Natl. Bank of Park Ridge, Magnolia Ave. $150,000.

N. J., Weehawken—MUNICIPAL—Town, Hall, 309 Park Ave. plans brick and steel, plain foundation. $200,000. McClave & McClave, 460 Anderson Ave., Cliffside, engrs. Architect not selected.

N. J., Westfield—APARTMENT—D. Holman, 670 Lexington Ave., having plans prepared by Goldberg & Kraut, 437 Bway., Bayonne, 4 story, 75 x 100 ft., brick and steel, plain foundation. $150,000.

N. J., West New York (Ind. br. Weehawken) — APARTMENT — Burstyn & Hefler, 222 30th St., Woodcliff, having plans prepared 10 story and basement, brick and steel, plain foundation, East Blvd. $500,000. Private plans. Noted June 9.

Pa., Lansdowne—APARTMENT—E. A. Wilson, archts., 1208 Chestnut St., Phila., preparing plans 3 story and basement, 50 x 100 ft., brick and steel, plain foundation, here. Owner's name withheld.

Pa., Oil City—THEATRE—G. J. and J. D. Veach, and M. Marks, Oil City, having plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., 3 story and basement, 180 x 240 ft., brick on hollow tile and steel, Seneca St. $800,000.

Pa., Phila.—ARENA, etc.—E. L. Rothschild, archt., Bankers Trust Bldg., preparing plans octagonal shaped indoor arena, incl. auditorium, 2,500 seating capacity, swimming pool and bowling alleys, stores, and dance hall Kensington and Hunting Park Aves. $3,000,000. Owner's name withheld.

Pa., Phila.—BANK and OFFICE—Broad St. Trust Co., 12th and Arch Sts., having plans prepared by Ritter & Shay, Packard Bldg., 10 story and basement, 77 x 100 ft., rein.-con. and brick, plain foundation, Broad and Stiles Sts. $700,000.

Pa., Phila.—COMMUNITY—Assn. Talmud Toraha, c/o L. E. Levinthall, Bankers Trust Bldg., having plans prepared by E. L. Rothschild, Bankers Trust Bldg., 2 story and basement, 47 x 115 ft., rein.-con., brick and steel, plain foundation, 508 Moore St.

Pa., Phila. — DISPENSARY—Eaglesville Hospital & Sanatorium for Consumptives, c/o J. H. Louchman, Franklin Trust Bldg., having plans prepared by Simon & Simon, 249 South Juniper St., for dispensary, Broad and Fitzwater Sts. $150,000.

Pa., Upper Darby (mail Phila.) — GARAGE—W. Freihofer, 20th and Indiana Sts., Phila., having plans prepared by Hodgens & Hill, 130 South 15th St., Phila., 300 car, rein.-con. and brick, plain foundation, 69th and Ashbridge Sts., here.

Pa., Waynesburg—HOSPITAL—Waynesburg Hospital Assn. takes bids about July 11, 3 story and basement, brick and steel, 7th and 8th Sts. $250,000. H. W. Altman, Uniontown, archt.

Md., Bridewell (mail Jessups)—CELL HOUSE—House of Correction (Bd. Welfare), having plans prepared by T. Wells Pietsch, Amer. Bldg., Baltimore, 57 x 268 ft., 60 ft. high, brick and steel, plain foundation.

Md., Baltimore—CLUB—Baltimore Club, F. Burns, pres., 2 West Madison St., having plans prepared by Buckler & Fenhagen, 325 North Charles St., 4 story and basement, irregular shaped, brick and steel addition, 6 West Madison St. $150,000. H. Massart, 328 North Charles St., engr.

Ga., Moultrie — HOTEL — Chamber of Commerce plans 3 story, 65 room hotel. $150,000.

Fla., Coral Gables—CLUBHOUSE, etc.—Catholic Church of Little Flower, T. Ceruher, pastor, plans group of buildings, (1st unit) clubhouse and auditorium. Total $500,000.

Tenn., Johnson City—OFFICE—S. R. Sells purchased site and plans 5 story and basement office building, Roan St. $200,000.

Tenn., Memphis—APARTMENT HOTEL and GARAGE—E. E. Hunt, 581 West Dr., having plans prepared by H. J. Kramer, Goodwin Institute, 8 story, 368 ft., incl. 165 apartments, also 2 story, 67 x 167 ft. garage, concrete, brick, stone and hollow tile, Union Ave. $800,000.

Tenn., Murfreesboro — HOTEL — J. R. Jetton, et al, promoter for company business men being formed, raising $150,000 funds, 50 room hotel, Main St.

O., Canton—APARTMENT HOTEL—L. Hoiciowitz, 335 15th St. N. W., plans 4 story and basement, 44 x 115 ft., brick and stone, High and 6th Sts. N. W. $150,000.

O., Canton—APARTMENT—Market-19th St. Co., c/o John Sherwood Kelly, archt., 4216 Prospect Ave., Cleveland, having plans prepared 3 story and basement, 50 x 106 ft., brick, 19th and Market Sts. $150,000.

O., Cleveland — APARTMENT — M. Moritz, 1018 East 143rd St., had plans prepared by L. Skolnik, Auditorium Bldg., 3 story and basement, 71 x 151 ft., brick, Woodworth Rd. $150,000.

O., Cleveland — APARTMENT — M. Margolin, 1489 East 106th St., had plans prepared by M. Weis, Union Bldg., 4 story and basement, 66 x 104 ft., brick, East 132nd St. $150,000.

O., Cleveland—OPERATING STATION and GARAGE—Cleveland Railway Co., Hanna Bldg., having plans prepared by L. D. Bale, c/o owner, 3 story and basement, brick, steel and concrete, East 10th St. and Central Ave. $210,000.

O., Lorain—THEATRE—Midwest Properties Co., S. H. Stecher, pres., 1836 Euclid Ave., Cleveland, having plans prepared by N. Petti, Williamson Bldg., Cleveland, 2 story and basement, 100 x 185 ft., brick, steel and concrete, Bway. and 6th St. $300,000.

O., Warren—Y. M. C. A., B. W. Edwards, chn. building com., plans new building, incl. dormitory, gymnasium and swimming pool. Engineer and architect not selected.

Ind., Indianapolis—HOTEL—W. E. Bayfield, Hotel Majestic, 29 Quincy St., Chicago, Ill., having plans prepared by W. E. Russ, Meridian Life Bldg., 8 story and basement, 70 x 77 ft., rein.-con. and brick hotel. $250,000.

Ind., Muncie — THEATRE — Challis Amusement Bldg., G. S. Challis, Wysor and Grand Sts., having plans prepared by George Zimmerman, 501 Meyer-Kiser Bldg., 3 story and basement, 125 x 195 ft., rein.-con., brick and steel theatre, ballroom, skating rink, etc. $650,000.

Ind., Whiting—CITY HALL—Hamilton, Fellows & Wilkinson, archts., 814 Tower Court, Chicago, Ill., soon take bids 2 story and basement, brick city hall for City. $200,000. Noted May 12.

Mich., Detroit—EXCHANGE—Michigan Bell Telephone Co., Cass Ave., had plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 3 story and basement, 105 x 116 ft., rein.-con., brick and steel, plain foundation, Selden Ave. $900,000.

Mich., Detroit—OFFICE and THEATRE—Colwood Co. (subsidiary Fox Films Corp., 850 10th Ave., New York City, plans 10 story office building containing theatre, 5,000 seating capacity, Woodward Ave., here.

Mich., Detroit — APARTMENT — Owner, c/o C. N. Agree, archt., 1140 Book Tower Bldg., having plans prepared 4 story and basement, 110 x 120 ft., rein.-con., brick and steel, plain foundation, Collingwood St. $200,000.

Mich., Detroit — APARTMENT — Owner, c/o F. O. Varney, archt., 2847 Grand River Ave., having plans prepared 4 story and basement, rein.-con., brick and steel, plain foundation, North Detroit Section. $150,000.

Mich., Eloise—HOSPITAL—Wayne Co., County Bldg., Detroit, having plans prepared by F. J. Winter, 2111 Book Tower Bldg., Detroit, 3 story and basement, rein.-con., brick and steel, plain foundation, Michigan Ave., here. $500,000. Noted Feb. 17.

Ill., Chicago—HOTEL and STORE—R. E. Major & Co., archts., 4022 West Madison St., made plans and soon takes bids 13 story and basement, 75 x 125 ft., rein.-con., brick and terra cotta, Van Buren and Wood Sts., for University Hotel Corp., c/o architects. $1,000,000. Flynt Hotel Corp., c/o H. C. Flynt, 21 North La Salle St., lessee.

Ill., Chicago—APARTMENT—Oldefest & Williams, archts., 605 North Michigan Ave., prepared plans and soon takes bids 10 story and basement, rein.-con., brick and terra cotta, Buena and Hazel Aves. for Syndicate, c/o architects.

Ill., Chicago — BANK, HOTEL and STORE — Belmont-Sheffield Building Corp., c/o Van Guten & Van Guten, archts., 26 East Huron St., having sketches made 6 story and basement, 100 x 120 ft., Sheffield and Belmont Aves. $850,000.

Ill., Chicago—GARAGE—B. E. Mittleman, 11 South La Salle St., had plans prepared by M. O. Nathan, 123 West Madison St., and soon takes bids 3 story and basement, 100 x 230 ft., rein.-con. and brick, 2325-43 North Clark St. $300,000.

Ill., Chicago — THEATRE, STORE, HOTEL and OFFICE — B. F. Lindheimer, 77 West Washington St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 3, 6 and 10 story, 275 x 275 ft., 63rd St. and Maryland Ave. $1,500,000.

Ill., Decatur—APARTMENT HOTEL—A. Milner, 304 West Wood St., had plans prepared 14 story and basement, 84 x 94 x 145 ft., steel, red brick and white stone or terra cotta, plain foundation, 320 North Church St. $650,000. Private plans.

Ill., East Moline—STORE—See "Buildings—Industrial."

Ill., Hinsdale—COMMUNITY—Memorial Community Com., P. R. Clark, chn., soon takes bids 2½ story, rein.-con. and brick, Garfield and Maple Sts. Archts. est. $150,000. E. H. Clark, 8 East Huron St., Chicago, archt.

Ill., Mt. Carmel—HOTEL, STORE and GARAGE—A. R. Hanley having preliminary plans prepared by Berger & Kelley, Lincoln Bldg., Champaign, 3 story and basement, rein.-con., brick and stone, 6th and Market Sts. $200,000.

Ill., Riverside — APARTMENT and STORE — Supplett Bros. & Dow, 361 Burlington St., soon take bids 3 story and basement, rein.-con., brick and terra cotta, Burlington St. west of Harlin Ave. $200,000. H. F. Robinson, 49 Forest Ave., archt.

Ill., Rockford—OFFICE, etc.—Early & Early, 109 West State St., having plans prepared by Peterson & Johnson, Swedish American Bank Bldg., 4 story and basement, 66 x 126 ft., rein.-con., brick and steel, plain foundation, incl. laboratories, X-ray quarters, etc., West State St. $150,000.

Ill., Watseka—HOTEL and STORE—C. D. Kopp, et al, having preliminary plans prepared by L. Steuber, Adams Bldg., Danville, 3 or 4 story and basement, rein.-con., brick and stone hotel and store. Archts. est. $150,000.

Wis., Kenosha—STORE and OFFICE—A. E. Epstein, Main and Market Sts., will not construct 8 story and basement, 55 x 85 ft., rein.-con., brick and stone, Main St. $250,000. Project abandoned. Noted Jan. 27.

Ia., Davenport — MAUSOLEUM — Fairmount Mausoleum Assn., c/o C. L. Harrah, 2422 Ripley St., plans mausoleum containing 500 crypts. $200,000.

Mo., Kansas City—OFFICE—S. B. Talbert, archt., Continental Bldg., preparing preliminary plans 20 story and basement, rein.-con., brick and steel, 9th and Walnut Sts. Owner's name withheld.

Mo., St. Louis—APARTMENT—Housam Realty Co., Internaitonal Life Bldg., postponed indefinitely taking bids 8 story and basement, 50 x 120 ft., rein.-con. and brick, concrete foundation, 5100 Waterman St. $200,000. Howard & Finley, 1104 International Life Bldg., archts. Noted Apr. 21.

Ark., Helena — HOSPITAL — City voted $150,000 bonds, rein.-con. and brick hospital. D. T. Hargraves, mayor.

Tex., Ft. Worth—CLUB—Elks Club having plans prepared by W. C. Hedrick, Ft. Worth, 4 story and basement, 73 x 79 ft. Elks Club, 4th and Burnett Sts. $150,000.

Tex., Harlingen — THEATRE — Valley Theatres (under supervision Dent Theatres, Inc.) having plans prepared by B. Elwing, Harlingen, 3 story, rein.-con. and brick, plain foundation. $150,000.

Tex., McKinney — COURT HOUSE — Sparger & Peters, archts., Bonham, taking bids and open same about June 21. 3 story and basement, 87x100 ft., brick, stone and concrete addition, for Collin Co., c/o A. M. Wolford, judge. Noted June 2.

Tex., Mineral Wells—HOTEL—Crazy Hotel Co., c/o C. P. Collins, Fidelity Bldg., Dallas, plans 100 room, brick, stone, steel and rein.-con. hotel.

Tex., Port Arthur—TEMPLE—Masonic Temple Assn. takes bids about Aug. or Sept. 10, 3 story and basement, rein.-con., brick and stone temple. W. B. Ittner, 911 Locust St. St. Louis, Mo., archt.

Tex., San Angelo — CITY HALL and AUDITORIUM — Voted $250,000 bonds, city hall and auditorium. Address E. V. Spence, city mgr. Noted May 19.

Tex., San Antonio—BUSINESS—Hamilton & Stout, c/o Medical Arts Bldg., purchased site and plans business building, Travis and St. Marys Sts. $175,000 or more.

Wash., Seattle—APARTMENT HOTEL—Stuart & Wheatley, archts., Walker Bldg., take bids about June 16, 14 story and base-

Constr. News page 405a

Buildings—Commercial (Continued)

ment, 120 x 120 ft., rein.-con., brick and terra cotta 8th Ave. and Aeneca St., for Exeter Co., 517 Skinner Bldg. $1,000,000.

Calif., Glendale—CLUB—Glendale Elks Lodge having preliminary plans prepared by A. F. Priest, 719 Fay Bldg., Los Angeles, 2 story and basement, 75 x 140 ft., rein.-con. and steel, Colorado Blvd. $150,000.

Calif., Long Beach—HOTEL—W. W. Compton, c/o J. H. Roberts, archt., Marine Bank Bldg., having plans prepared 6 story, rein.-con., West Seaside Blvd. $200,000.

Calif., Los Angeles—APARTMENT—M. Good, c/o S. Brown, archt., New Orpheum Theatre Bldg., having plans prepared 4 story and basement, 80 x 140 ft., brick, North Ardmore Ave. $150,000.

Calif., Los Angeles—HOSPITAL—Missionary Sister of Sacred Heart having plans prepared by R. Meier, 402 Title Insurance Bldg., 8 story and basement, 45 x 190 ft., rein.-con., Sunset Blvd. and Hill St. $800,000. Noted May 5.

Calif., Los Angeles — TERMINAL — Interests represented by I. D. Budd, 706 South Hill St., plans rein.-con. produce terminal building, 9th and Camulos Sts. $1,000,000.

Calif., Los Angeles — APARTMENT — I. M. Hatten, c/o Dunford & Lopez, archts., Lincoln Bldg., having plans prepared 3 story and basement, 55 x 150 ft., brick, 43rd St. To exceed $150,000.

Calif., Los Angeles — DEPARTMENT STORE—P. & M. Department Store, Sun Finance Bldg., having plans prepared by H. S. Johnson, Railway Bldg., 2 story and basement, 220 x 430 ft., rein.-con., Alston Pl. and Whittier Blvd.

Calif., Los Angeles—HOTEL—W. W. Compton, 641 West Seaside Blvd., having plans prepared 6 story and basement, 100 x 100 ft., rein.-con., West Seaside Blvd. $175,000. Private plans.

Calif., Los Angeles—STORE and LOFT—J. Steinberg, c/o W. Lee, archt., Textile Center Bldg., having preliminary plans prepared 12 story and basement, 125 x 150 ft., rein.-con., Los Angeles St. $500,000 or more.

Calif., Los Angeles—APARTMENT—M. Cohen, c/o S. Brown, archt., 712 New Orpheum Bldg., had plans prepared 100 x 157 ft., 5th and Bonnie Brae Sts. $160,000.

Calif., Los Angeles—APARTMENT—F. Harowitz, Stock Exch. Bldg., having plans prepared by A. A. Weitzman & J. Ring, Hibernian Bldg., 7 story and basement, rein.-con., 8219-8225 Sunset Blvd. $250,000.

Calif., Los Angeles — APARTMENT — Orange County Investment Co., Pershing Sq. Bldg., having plans prepared by R. D. King, 1124 Van Nuys Bldg., 6 story, 125 x 125 ft., Mariposa Ave. between 7th and 8th Sts. $300,000.

Calif., Los Angeles—APARTMENT—S. H. Brown, archt., 712 New Orpheum Bldg., preparing plans 6 story, 100 x 140 ft., rein.-con., near Franklin and Cahuenga Aves. $250,000. Owner's name withheld.

Calif., Los Angeles—APARTMENT—F. Horwitz, Stock Exch. Bldg., purchased site and plans 7 story and basement, rein.-con., Sunset Blvd. To exceed $250,000.

Calif., Los Angeles—APARTMENT—M. Kohl, c/o S. Brown, New Orpheum Theatre Bldg., had plans prepared 4 story and basement, brick, 4th Ave. $150,000.

Calif., Los Angeles—APARTMENT—J. Petos, 301 Chester Williams Bldg., having preliminary plans prepared by R. A. Hill, Chester Williams Bldg., 7 story and basement, Union Dr. near 6th St. $350,000.

Calif., Los Angeles—APARTMENT—H. D. Rice, archt., Title Insurance Bldg., preparing plans 4 story and basement, 60 x 150 ft., brick, Alvarado St. $150,000. Owners name withheld.

Calif., Los Angeles—APARTMENT—W. W. Smith, archt., 1242 Keniston Ave., prepared plans 5 story and basement, 50 x 175 ft., rein.-con. and brick, North Gramercy Pl. $150,000. Owners name withheld.

Calif., Pomona — HOSPITAL — Pomona Valley Community Hospital, plans rein.-con. addition. $150,000.

Calif., Redondo Beach — THEATRE — West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles, plans fireproof theatre, 2,000 or more seating capacity, here. $175,000 or more.

Calif., Riverside—CLUB—Y. W. C. A. plans fireproof club building. $150,000.

Calif., Riverside — THEATRE — R. C. Hunt having sketches made by A. G. Bailey, Hillstreet Bldg., Los Angeles, rein.-con., Main St. $300,000.

Constr. News page 406

Calif., San Bernardino—THEATRE, OFFICE and STORE—W. C. Harris, et al, c/o J. P. Perrine, archt., Lincoln Bldg., Los Angeles, having revised plans prepared rein.-con. theatre, store and office building. $250,000. Former bids rejected. Noted Apr. 7.

Calif., San Francisco — POLICE STATION)—City and San Francisco Co. having plans prepared by Coffey & Rist, Phelan Bldg., part 1 and 2 story, brick, steel and concrete, 24th and Taraval Sts. $150,000. Noted Mar. 17.

Calif., San Francisco—MEDICAL OFFICE—Owner represented by Allen & Co., 168 Sutter St., had preliminary plans prepared by Clausen & Amandes, Hearst Bldg., 6 story and basement, rein.-con., Van Ness Ave. and Jackson St. $500,000.

Calif., San Francisco—OFFICE, THEATRE, and GARAGE—F. E. Morgan, et al., c/o Walker & Eisen, archts., having plans prepared Great Republic Bldg., Los Angeles, 21 story and basement, office, 2,500 seating capacity theatre and 400 car capacity, garage, Sutter St. near Powell St. $3,500,000.

Calif., San Jose — HOTEL — San Jose Hotel Corp., c/o W. H. Weeks, archt., 369 Pine St., San Francisco, having preliminary plans prepared 10 story and basement, 214 room, rein.-con., West Santa Clara St., here. $1,500,000.

Calif., San Jose—LODGE and CLUB—Observatory Parlor 177, Native Sons of Golden West, plans fireproof lodge and club building. $150,000 or more.

Calif., Saratoga — HOTEL — Saratoga Golf & Country Club, L. D. Allen, mgr., Cupertino, having plans prepared 4 story, concrete and steel hotel, 1 mi. west of Prospect Rd., here. $1,000,000. Architect's name withheld. W. B. Hoag, De Young Bldg., San Francisco, engr.

Ont., Toronto — APARTMENT — Ideal Homes Ltd., 181 Hudson Dr., having plans prepared by Kaplan & Sprachman, 305 Dundas St. W., 3 story and basement, concrete, brick and steel, Yonge St. near Lawrence Ave. $375,000.

Ont., Toronto—OFFICE—Star Publishing Co., King St. E., purchased site and plans 10-12 story and basement, newspaper and general office building, rein.-con. and steel. $800,000. Engineer and architect not selected.

Ont., Toronto—APARTMENT—Superior Realty Co. having plans prepared by Kaplan & Sprackman, 298 Dundas St. W., 2 story, 128 x 255 ft. apartment, Yonge St. $600,000.

Brazil, Victoria—WAREHOUSES—J. W. Brunk, vice consul, reports to Dept. Commerce, Wash., D. C., plans construction 3 large warehouses, for port works, here. $216,000.

Bids Desired

Me., Bangor—HOSPITAL—June 29, by State of Maine, Hospital for Insane, 4 story and basement, 35 x 115 ft., and 35 x 130 ft., brick, steel and stone addition, State St. $275,000. Crowell & Lancaster, Exchange Bldg., archts. Noted June 9.

Me., Moulton—COURTHOUSE—June 29, by Aroostock Co., W. Clark, clk. of courts, 2 story and basement, brick and stone, plain foundation. $150,000. H. S. Coombs, 11 Lisbon St., Lewiston, archt.

Mass., Boston—STORE and OFFICE—Hemenway Estate, c/o Shepard & Stearns, archts., 65 Franklin St., taking bids remodeling 4 story and basement, brick, plain foundation, 120 Newbury St. $150,000.

Mass., Brockton—STORE and OFFICE—See "Contracts Awarded."

Mass., Chelsea — STORAGE WAREHOUSE — Garfield Real Estate Trust, P. Huddell, 155 Garfield St., taking bids 3 story, 80 x 130 ft., rein.-con. and brick, plain foundation. $150,000. Private plans.

Mass., Lexington—TOWN HALL—Town, Bd. Selectmen, taking bids 2 story and basement, brick and stone, plain foundation, Massachusetts Ave. $150,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. Noted Apr. 14.

Mass., Newton (Ind. br. Boston) — STORE and OFFICE — See "Contracts Awarded."

Mass., Somerville (br. Boston)—APARTMENT—E. M. Branca, c/o Eisenberg & Feer, archts., 46 Cornhill, Boston, taking bids 4 story and basement, brick and stone, plain foundation, Bway. and Marshall St. $150,000 or more.

R. I., Artic—BANK—Centreville Natl. Bank, E. Whitford, pres., taking bids 1 story and basement, rein.-con., brick and steel, plain foundation, Main and Bank Sts. $150,000. Hutchins & French, 11 Beacon St., Boston, Mass., archts.

R. I., Exeter—HOSPITAL—June [illegible], by Pub. Welfare Dept., Providence, 2 story and basement, brick addition, plain foundation. $150,000. W. R. Walker & Son, 40 Weybosset St., Providence, archts.

N. Y., Buffalo—COURT HOUSE—July 1, by J. P. Moore, comr. Parks & Pub. Buildings, City and County Hall, 8 story, fireproof, Delaware Ave. and West Eagle St. Noted Dec. 16, 1926.

N. Y., Buffalo—PASSENGER STATION—July 12, by New York Central R. R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., passenger station, here, $12,000,000. A Fellheimer, 155 East 42nd St., New York City, archts. Noted Feb. 25, 1926.

N. Y., Jamaica—BANK and OFFICE—Natl. Title Guaranty Co., 9225 Union Hall St., taking bids 10 story and basement, rein.-con., brick and steel, concrete pile foundation, Jamaica Ave. near Washington St. $400,000. Shampan & Shampan, 188 Montague St., Brooklyn, archts. Noted May 19.

N. Y., New York—LOFT—See "Contracts Awarded."

N. Y., Salamanca—ADMINISTRATION—June 27, by Comrs. Alleghany State Park, administration building at Alleghany State Park, here. S. W. Jones, Capitol, Albany, state archt.

N. J., New Brunswick—CLUBHOUSE—June 29, by W. H. Boylan, archt., 143 Albany St., general contract 1 story, brick and steel, plain foundation, Carroll Pl., for Fraternal Order of Eagles Aerie 1329, 78 Carroll Pl. $150,000. Noted June 16.

N. J., Oradell—CLUBHOUSE—June 27, by C. C. Windeback, archt., 101 Park Ave., New York City, general contract 2 story and basement, brick and steel, plain foundation, here, for Hackensack Golf Club, Central Ave., Hackensack. $150,000. Noted June 9.

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Elizabeth — APARTMENT — See "Contracts Awarded."

N. J., Irvington (br. Newark)—APARTMENTS—See "Contracts Awarded."

N. J., Newark—THEATRE and OFFICE—See "Contracts Awarded."

N. J., Orange—APARTMENT—See "Contracts Awarded."

Pa., Phila.—HOSPITAL—June 27, by Magaziner, Eberhard & Harris, archts., 603 Chestnut St., 10 story and basement, 53 x 203 ft. addition to main hospital, and 5 story and basement, 40 x 69 ft. out patient building, rein.-con., brick and steel, plain foundations, 5th and Reed Sts., for Mt. Sinai Hospital, 5th and Reed Sts. Noted Apr. 14.

O., Columbus — OFFICE — June 30, by Acme Development Co., 17 South High St., D. W. Beggs, pres., 12 story and basement, 71 x 118 ft., brick and steel, East State St. $700,000. Miller & Reeves, 205 East Broad St., archts.

Ind., Gary—CITY HALL—G. W. Maher, archt., 157 East Erie St., Chicago, Ill., taking bids 2 story and dome, 78 x 200 ft., concrete and stone city hall, here, for City. Noted May 26.

Ind., South Bend — HOTEL, GARAGE and APARTMENT — Schenninger-Ackerman-Allardt Hotel Co., taking bids 3 story and basement, rein.-con., brick and steel, 218 East La Salle St. $500,000. M. E. Smith, 319 South Main St., archt.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Redlands — THEATRE, STORE and OFFICE—L. A. Smith, archt., Film Exch. Bldg., Los Angeles, taking bids 2 and 3 story, rein.-con., Cajon and Vine Sts., for West Coast, Jr. Theatres, Inc., c/o architect. $200,000. Noted May 19.

Neb., Lincoln—CAPITOL—Sept. 15, by State Capitol Comn., A. McMullen chn. (3rd unit) to tower for state capitol, here. $2,000,000. G. Goodhue Associates, 2 West 47th St., New York City, archts. R. L. Cochran, Lincoln, state engr.

Mo., Kansas City—HOTELS—See "Contracts Awarded."

Calif., San Francisco—APARTMENTS—See "Contracts Awarded."

Bids Received

Pa., Phila.—CITY HALL—Dept. Pub. Wks., G. H. Biles, dir., June 15, general contract 15 story and basement, 80 x 100 ft., rein.-con., brick, steel and stone annex, caisson foundation, 13th and Filbert Sts., from F. W. Mark Co., Commercial Bldg., $1,094,800; plumbing and heating, from N. Connolly, 1404 North 18th St.,

Buildings—Commercial (Continued)

$28,042 and $106,606 respectively; and electrical work, from Ellis-McCandless Co., 2319 Sansom St., $77,490. Noted June 9.

Contracts Awarded

Me., Portland—THEATRE and STORE—H. R. Hines, 112 State St., 1 and 2 story and basement, 65 x 170 ft., brick and steel, plain foundation, to Kerr & Houston, 272 Middle St. Archts. est. to exceed $150,000. Noted June 2.

Mass., Boston—STORE—Jordan Marsh Co., Washington St., altering 9 story and basement, brick and steel, 19-57 Avon St., to J. F. Fitzgerald Constr. Co., 38 Chauncy St. Archts. est. $150,000.

Mass., Brockton—STORE and OFFICE—G. Howard & Sons Co., 196 Main St., will build 4 story and basement, brick, stone and tile, plain foundation, Main St. $150,000. Work will be done by separate contracts. G. L. Falk, 153 Main St., archt.

Mass., Canton—HOSPITAL SCHOOL—June 27, by W. C. Bayless, trustee, 48 Franklin St., Boston, 1 and 2 story, brick, plain foundation, at Massachusetts Hospital, here, for Commonwealth of Massachusetts, Dept. Pub. Welfare. $150,000. S. W. Mead, 11 Pemberton Sq., Boston, archt.

Mass., Canton—BANK—Canton Institutions for Savings, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, 1 story and basement, brick, steel and limestone, plain foundation, to C. C. Temple Co., 99 Chauncy St., Boston. Archts. est. $150,000.

Mass., Haverhill — THEATRE — S. Jensky, c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, 1 story and basement, 80 x 130 ft., brick and steel, plain foundation, Main St., here, to L. C. Cyr, 246 Essex St., Lawrence. Archts. est. $150,000. Noted Mar. 24.

Mass., Malden (Boston P. O.)—STORE and OFFICE—Andrew Investment Co., 26 Pleasant St., 2 story and basement, 85 x 1125 ft., brick, Main St., Malden Sq., to Bean & Frasca, 355 Central St., Saugus. Archts. est. $150,000. Noted Jan. 13.

Mass., Medford (br. Boston) — STORE and OFFICE—A. Koniares, 45 Prospect St., Malden, 3 story and basement, brick and stone, plain foundation, Main St. near Medford Sq., to B. Scolaro, 3 Chandler St. Archts. est. $150,000. Noted May 5.

Mass., Newton (Ind. br. Boston) — STORE and OFFICE — B. Rockman, 41 Nobscott Rd., will build 3 story and basement, brick and stone, plain foundation, Washington St. $150,000. Work will be done by separate contracts. G. N. Jacobs, 9 Bosworth St., Boston, archt.

Mass., Salem—THEATRE and OFFICE—P & D Theatre, Inc., 1430 Massachusetts Ave., Cambridge, general contract 3 story and basement, brick, steel and stone, plain foundation, Dodge and Washington Sts., to Knutt Swanson Co., Inc., 7 Willow St., Lynn. Archts. est. $500,000. Noted May 12.

Mass., Taunton—STORE and OFFICE—A. Shacton, 294 Washington St., Boston, 4 story and basement, brick and stone, plain foundation, Bway., to Silverstein & Cohen, 328 Cross St., Malden. Archts. est. $160,000. Noted June 2.

Mass., Waltham (Ind. br. Boston)—STORE and OFFICE—J. J. Flynn Jr., 661 Main St., altering and constructing 4 story and basement, brick and stone addition, plain foundation, 653-663 Main St., to J. F. Griffin & Co., 25 Stuart St., Boston. Archts. est. $150,000.

Mass., West Roxbury (Boston P. O.) — STORE and APARTMENT—L. Vogel, 5169 Washington St., 4 story and basement, brick and stone, plain foundation, to Curtis Swift, Inc., 80 Boylston St., Boston. Archts. est. $150,000. Noted June 9.

Conn., Norwalk — HOSPITAL—Norwalk Hospital, C. B. Strayer, supt., brick and steel addition, Stevens St., to Hewlett Co., 886 Main St., Bridgeport. Archts. est. $500,000. Noted June 16.

Conn., Stonington — TOWN HALL — Town, Bd. Selectmen, 2 story and basement, 70 x 100 ft., brick, steel and stone, Elm St., to Pieretti Bros., Centerbrook. Archts. est. $150,000. Noted May 12.

N. Y., Brooklyn — HOTEL — Upanin Hotels, Inc., c/o L. E. Jallade, archts., 15 East 47th St., New York City, brick and steel, 284 Bridge St., here, to W. Kennedy Constr. Co., 215 Montague St. Archts. est. $250,000. Noted Dec. 9.

N. Y., New York — BANK — Colonial Bank, Columbus Ave. and 81st St., 13 story, 50 x 98 ft. bank, 416-18 West 42nd St., to W. Crawford, 7 East 42nd St.

N. Y., New York—LOFT and OFFICE—Two Hundred Sixteen East 45th Street Realty Corp., S. Friedenberg, pres., 17 story and basement, 100 x 128 ft., rein.-con. and steel, 216 East 45th St., to Turner Constr. Co., 420 Lexington Ave.

N. Y., New York—STORE—A. DePinna Co., Inc., 625 5th Ave., 16 story and basement, 97 x 150 ft., brick and stone, 52nd St. and 5th Ave., to Starrett Bros., Inc., 101 Park Ave. Archts. est. $1,000,000. Noted Apr. 21.

N. Y., New York—LOFT—Eljac Realty Corp., 1440 Bway., will build 18 story, 98 x 198 ft., rein.-con., brick and steel, plain foundation, 35th St. and 9th Ave. $1,500,000. Work will be done by separate contracts.

N. J., East Orange — APARTMENT — Sharff & Koplowitz, 207 Market St., Newark, will build 4 story, brick and steel, plain foundation, North Arlington Ave. and Hamilton St. $150,000. Work will be done by separate contracts. L. Kassoff, 164 Market St., Newark, archt. Noted June 16.

N. J., Elizabeth — APARTMENT — Grushkin & Posnock, 186 Goldsmith Ave., Newark, will build 5 story, 45 x 85 ft., brick and steel, plain foundation, 14-16 North Ave., here, $150,000. Work will be done by separate contracts. Kasoff & Flatt, 164 Market St., Newark, archts. Noted June 16.

N. J., Jersey City—BANK and OFFICE—Union Labor Investment Corp., Inc., 30 Journal Sq., general contract 5 story, brick and steel, plain foundation, Journal Sq., to J. Mitchell, Inc., 40 Journal Sq. Archts. est. $350,000. Noted Mar. 17.

N. J., Hoboken—THEATRE—Stanley Co. of America, 1916 Race St., Phila., Pa., general contract 2 story, brick and steel, plain foundation, Washington and Newark Sts., here, to J. W. Ferguson Co., 152 Market St., Paterson. Archts. est. $150,000.

N. J. Irvington (br. Newark)—APARTMENTS—I. Bornstein, 157 Augusta St., will build two 4 story, brick and steel, plain foundations, 38-46 Chester Ave. $150,000. Work will be done by separate contracts. E. F. Hauser, 11 Clinton St., Newark, archt. Noted June 9.

N. J., Montclair—STORE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., general contract 2 story and basement, 90 x 115 ft., rein.-con., brick and steel, plain foundation, 510-16 Bloomfield Ave., to Gillies, Campbell Co., 101 Park Ave., New York City. Archts. est. $150,000. Noted June 9.

N. J., Morristown—BANK—Iron Bank of Morristown, Olvord Rd., 1 story, brick and steel, plain foundation, to Bontempo & D'Annunzio, 8 Flagler St. Archts. est. $150,000.

N. J., Newark—STORE and OFFICE—Franklin Realty & Mortgage Co., 156 Market St., general contract 2 story, 75x125 ft., brick and steel, plain foundation, 1025-31 Broad St., to Pellecchia Constr. Co., 15 Market St. Archts. est. $150,000.

N. J., Newark—THEATRE and OFFICE—S. Rubine, 251 Claremont Ave., Jersey City, will build 2 story, 150x150 ft., brick and steel, plain foundation, Elmwood Ave. and Washington St., here. $150,000. Work will be done by separate contracts. J. Centanni, 142 Market St., archt. Noted May 26.

N. J., Newark — BANK and OFFICE — Halsey, McCormack & Helmer, archts., 286 5th Ave., New York City, 1½ story, 30 x 100 ft., brick, steel and rein.-con., plain foundation, Ferry and Van Buren Sts., here, to E. M. Waldron & Co., 8420 6th St., for Natl. Newark & Essex Banking Co., 752 Broad St. Archts. est. $150,000. Noted May 12.

N. J., Orange — APARTMENT — Oxford Constr. Co., 784 Broad St., Newark, will build 4 and 5 story, 50 x 100 ft., brick and steel, plain foundation, Lincoln and Highland Aves. $300,000. Work will be done by separate contracts. L. Kassoff, 164 Market St., Newark, archt. Noted June 16.

Pa., Phila.—RECREATION CENTER—Dept. Pub. Welfare, Bureau Recreation, City Hall, general contract East Germantown Recreation Center, 2 story and basement, 44 x 122 ft., 44 x 81 ft. and 44 x 122 ft., rein.-con., brick and steel, plain foundation, Chelton Ave. and Ardleigh St., to McCormick-Lenham Co., Broad and Tasker Sts., $88,495. Noted June 2.

Pa., Pittsburgh—APARTMENT—Morewood Gardens Co., c/o Marks & Kann, archts., Home Trust Bldg., general contract 7 story and basement, approximately 245 x 300 ft., brick, steel and stone, Morewood Ave., to H. Miller & Sons, 2565 5th Ave. Archts. est. $1,400,000. Noted June 2.

Pa., Uniontown—COURT HOUSE—Fayette Co., Court House, general contract remodeling and constructing 5 story and basement, irregular shaped, brick, stone and steel addition, Main St. to Engstrom & Wynn, Wheeling, W. Va., $471,300; also heating and ventilating, to C. L. Titus Co., Uniontown, $28,123. Noted May 19.

W. Va., Huntington—HOSPITAL—A. K. Kessler & H. D. Hatfield, plan addition to Kessler & Hatfield Hospital 6th Ave. and 2nd St. $250,000. Engineer and architect not selected.

Tenn., Cleveland — HOTEL — Cherokee Hotel Co., brick and concrete hotel, to T. S. Moudy Constr. Co., East 3rd St., Chattanooga, $170,000. Noted Mar. 10.

O., Ashtabula — CHILDREN'S HOME—Ashtabula Co., 2 story, 44 x 91 ft., and two 32 x 91 ft. wings, brick, steel and concrete, to Webster Constr. Co., Ashtabula, $116,682. Noted June 9.

O., Bedford—TEMPLE—Masonic Temple Building Co., R. L. Leach, secy., 2 story and basement, 60 x 105 ft., brick, steel and concrete masonic temple, to Mitzel-Shields Co., R. F. Keith Bldg., Cleveland. Archts. est. $150,000.

O., Canton — HOSPITAL — Bd. Comrs. Stark Co., general contract 37 x 266 ft. main building, 3 story, 37 x 120 ft. administration and service building, 2 story, 80 x 116 ft. childrens building, 40 x 85 ft. nurses home, 32 x 70 ft. boiler house and garage, all brick and steel, Canton-Alliance Rd., to Melbourne Constr. Co., 116 Cleveland Ave. N. W., $414,183. Noted May 26.

Ind., Evansville — HOTEL — Vendome Hotel Co., general contract 5 story, rein.-con., brick and steel top addition, to Hoffman Constr. Co., 401 Furniture Bldg. Archts. est. $200,000. Noted Mar. 24.

Ind., Gary — HOSPITAL — H. J. Gaul, archt., 228 East Superior St., Chicago, Ill., general contract 5 story and basement, 43 x 195 ft., brick, steel and stone, here, to Williams & Patch, Gary, for Poor Hand Maids of Jesus Christ. Noted Apr. 21.

Ind., Muncie — HOSPITAL — Muncie Home Hospital, general contract Ball Memorial Hospital, rein.-con., brick and steel, to A. Glaser, 616 Mulberry St. Archts. est. $1,000,000. Noted Feb. 18, 1926.

Mich., Detroit—OFFICE—Michigan Bell Telephone Co., Cass Ave., 12 story, 100 x 196 ft., rein.-con., brick and steel addition, to W. E. Wood Co., 1825 Ford Bldg.

Ill., Chicago — APARTMENT — S. Clifford & Co., 77 West Washington St., masonry contract 6 story, 50 x 121 ft., brick, 4540-42 Magnolia Ave., to Erickson & Magnusson, 4753 Broadway Ave. Archts. est. $275,000.

Ill., East St. Louis — THEATRE — H. Redmon et al, c/o Majestic Theatre, 242 Collinsville Ave., general contract 1 story, balcony and basement, 90 x 180 ft., rein.-con., brick, steel and terra cotta, Collinsville Ave., to H. Bancroft, 709 North 23rd St. Archts. est. $750,000. Noted June 9.

Ill., Evanston — OFFICE and STORE — J. A. Nyden, archt., 190 North State St., Chicago, masonry, carpentry and reinforcing contract 3 story and basement, 120 x 120 ft., Arrington & Sherman Aves., here, to H. D. Moreland Co., 3701 Sheffield Ave., for J. F. Hahn, Evanston. Archts. est. $350,000. Noted Apr. 7.

Ia., Newton—H. Raeder, archt., 28 West Jackson Blvd., 2 story and basement, 132 x 132 ft., rein.-con., brick, steel and stone, incl. swimming pool, gymnasium, etc., Y.M.C.A. building, to Lanning Constr. Co., Newton and Oskaloosa, for Y.M.C.A. of Newton, c/o F. L. Maytag, Maytag Co., and D. S. Houser, bus. mgr., 19 South La Salle St., Chicago, Ill. Archts. est. $150,000. Noted May 12.

Minn., Minneapolis — MAIL ORDER HOUSE — Sears Roebuck & Co., C. M. Kittle, pres., Arthington and Homan Sts., Chicago, Ill., general contract 12 story and basement, rein.-con., brick, stone and terra cotta, Lake and 29th Sts., Elliot and 10th Aves., to J. H. Beuttas, 720 Cass St., Chicago Ill. Archts. est. between $2,000,000 and $3,000,000. Noted Apr. 7.

Mo., Kansas City—HOTELS—McCanles Building Co., 400 Victor Bldg., will build two 10 story and basement, rein.-con. and brick hotels, one at 3829 Main St., and other 3835 Main St., by day labor. Each to exceed $150,000. Private plans.

Mo., St. Louis—APARTMENT—Syndicate forming, c/o Study & Farrar, archts., Arcade Bldg., having preliminary plans prepared Tower Hall Apartments, 6 story and basement, rein.-con., brick and stone, and 1 story, rein.-con. and brick garage, Russell Blvd. and Compton Ave.

Mo., St. Louis — SERVICE — Bd. Pub. Serv., 208 City Hall, 3 story and basement, rein.-con., brick and stone service building, incl. central heating plant, laundry, garage and repair shops, 12th St. and Clark Ave., to McCormick-Combs Constr. Co., 318 North 8th St., for Fire Dept., J. Pritchard, dir. $734,692. Noted May 12.

Constr. News page 497

Buildings—Commercial (Continued)

Tex., Ft. Worth—BUSINESS—Washer Bros., 900 Main St., altering and constructing 1 story addition, to J. T. Taylor, 707 1st Natl. Bank Bldg., approximately $150,000 or more.

Wash., Seattle—APARTMENT—E. W. Morrison, archt., Seaboard Bldg., 12 story and basement, 60 x 114 ft., rein.-con. and steel apartment, incl. 60 car garage, Boren Ave. and University St., to Western Constr. Co., Seaboard Bldg., for Marlborough Investment Co., c/o architect. $800,000. Noted Mar. 17.

Wash., Seattle—HOTEL—Seneca Street Impvt. Co., c/o A. McQuaker, archt., McDowall Bldg., 8 story, 60 x 111 ft., rein.-con., brick and cast stone 3rd and Seneca Sts., to Western Constr. Co., Seaboard Bldg. Archts. est. $425,000.

Calif., Los Angeles — APARTMENT — Montalvo Co., 148 South Mariposa St., will build 7 story and basement, 50 x 110 ft., rein.-con., West 2nd St., by day labor. $150,000 or more. Private plans.

Calif., Los Angeles—CLUB—Interests represented by L. E. Behymer, 6 story and basement, rein.-con., Whitley and Franklin Aves., to Meyer & Holler, Wright-Callendar Bldg., approximately $250,000.

Calif., Los Angeles—APARTMENT—T. A. Westgate, 1315 Dartmouth Dr., 4 story and basement, brick, Albany St., to W. E. Warne, Rives-Strong Bldg., $165,000.

Calif., Oakland—APARTMENT—T. W. Corder, c/o J. W. Plachek, archt., Mercantile Trust Bldg., 3 story, rein.-con. addition, Shattuck Ave. near Durant St., to C. H. McCullough, 1634 Berkeley Way, Berkeley, approximately $175,000.

Calif., Los Angeles—HOME—Jewish Alliance of Los Angeles, c/o M. Hunt, archt., 1107 Hibernian Bldg., 3 story, 125 x 150 ft., rein.-con., Union Ave. and Girard St., to H. M. Baruch Corp., Lincoln Bldg. Archts. est. $150,000. Noted May 19.

Calif., Los Angeles—LOFT—J. Steinberg, 134 South Van Nuys St., 12 story and basement, 123 x 150 ft., rein.-con., brick and terra cotta, Los Angeles St. south of 7th St., to W. Douglas Lee, 704 Textile Center Bldg., $750,000. Noted June 16.

Calif., Stockton—STORE—H. A. Minton, archt., Bank of Italy Bldg., San Francisco, 1 story and basement, rein.-con., Hunter and Main Sts., here, to O. H. Chain, United Bank & Trust Bldg., for Bank of Italy, Eddy and Powell Sts., San Francisco, approximately $200,000. Noted May 5.

Calif., Petaluma—BANK and OFFICE—Amer. Trust Co., 465 California St., San Francisco, 1 story and basement, granite and terra cotta, to C. R. Collupy, 465 California St., San Francisco, $150,000. Noted May 24.

Calif., San Francisco—APARTMENT—P. N. Ford, 919 Amer. Bank Bldg., will build 8 story and basement, brick, Bay and Polk Sts., by day labor. $150,000 or more. E. W. Morrison, 7027 Maple Lane, Seattle, Wash., archt.

Ont., London—CITY HALL—T. C. McBridge, archt., City Hall, 4 story and basement, 90 x 150 ft., brick and stone, Dundas St., to Hyatt Bros., 290 Egerton St., for City Council. $264,000. Noted May 12.

Ont., Windsor—APARTMENT—Windsor Court Apartments Ltd., 510 Natl. Bldg., Toronto, general contract 3 story and basement, concrete, brick and steel, concrete foundation, here, to J. V. Gray Constr. Co., Bartlett Bldg. Archts. est. $375,000.

Buildings—Industrial

Proposed Work

Conn., Greenwich—PRINTING PLANT—Conde Nast Publications, Inc., having plans prepared by W. Higginson, 101 Park Ave., New York City, rein.-con. addition, Post Rd. $75,000.

Conn., Milford — PLANT, etc. — Aircraft Corp. of America, J. H. Stelling, pres. having plans prepared 1 story, 150 x 350 ft., rein.-con., brick and steel airplane manufacturing plant, incl. office, main factory, engineering office and hangars, plain foundation, Laurel Beach Rd. $150,000. Private plans.

N. Y., Albany—LABORATORY, etc.—Dept. Health, Capitol, takes bids probably in July, laboratory west wing, power house and stable units at Dept. Health. S. W. Jones, Capitol, Albany, state archt. Noted May 17.

N. Y., Albany—STORAGE and TERMINAL PLANT—Tide Water Oil Co., 11 Bway., New York City, plans oil plant, here. $600,000.

Constr. News page 408

N. Y., Brooklyn — MANUFACTURING and PRINTING — Murgenthaler Linotype Co., 29 Ryerson St., having plans prepared by Herman Fougner, c/o owner, 9 story, 70 x 350 ft., rein.-con., brick and steel, concrete foundation, Ryerson St. between Flushing and Park Aves. $450,000. W. H. Dusenbury, 1841 Bway., engr.

N. Y., Brooklyn—FACTORY—Brooklyn & Queens Screen Co., 1576 Bushwick Ave., soon takes bids 2 story and basement, rein.-con. and brick, concrete pile foundation, 1576 Bushwick Ave. $60,000. Lama & Proskauer, 391 Fulton St., archts.

N. Y., Raybrook—POWER HOUSE—Div. Standards, Executive Dept., Capitol, Albany, takes bids probably in July, power house at State Hospital for Treatment of Incipient Pulmonary Tuberculosis, here. S. W. Jones, Capitol, Albany, state archt. Noted Feb. 10.

N. J., New Brunswick—COCOA PLANT — Reichardt Cocoa & Chocolate Co., 50 Broad St., New York City, having plans prepared 5 story, brick and steel, plain foundation, Lincoln and Van Dyne Aves., here. $500,000. Private plans.

N. J., Union City—SILK FACTORY—Schwarzenbach Huber, Inc., 511 23rd St., having plans prepared 3 story and basement, 70 x 90 ft., rein.-con., brick and steel, plain foundation, $75,000. Clark, McMullen & Riley, 101 Park Ave., New York City, engrs.

Pa., Phila. — POWER HOUSE — See "Buildings—Educational, Religious."

D. C., Wash.—POWER STATIONS—See "Unclassified."

Miss., Macon — CONDENSERY—Borden Co., 510 North Dearborn St., Chicago, Ill., having preliminary plans prepared milk condensery, brick and concrete, here. Private plans. Work will probably be done by own forces.

O., Cleveland—FACTORY—Amer. Brass Mfg. Co., J. Orth, pres., had plans prepared 2 story and basement, 20 x 70 ft., brick and steel addition, 1525 East 49th St. $40,000. Private plans.

O., Cleveland — WAREHOUSE — See "Unclassified."

O., Cleveland — FACTORY — Ohio Boxboard Co., C. W. Hackett, secy., 1390 East 30th St., soon lets contract 2 story, 62 x 120 ft., brick and steel top addition. $60,000. Christian, Schwarzenberg & Gaede, 1900 Euclid Bldg., archts.

O., Cleveland—FACTORY—P. Halliday, 10510 Euclid Ave., had plans prepared by Carter Richards Co., Engineers Bldg., 1 story and basement, 85 x 200 ft., brick, steel and concrete, Richmond Ave. $60,000.

O., Youngstown—PLANT—Bixler Baking Co., 2350 West and Marshall Sts., plans 2 story and basement, brick and steel baking plant, Mahoning Ave. $50,000.

Mich., Pontiac — TRUCK FACTORY — Yellow Truck & Coach Mfg. Co., General Motors Bldg., purchased site and plans rein.-con., brick and steel, plain foundation. $1,000,000. Engineer and architects names withheld.

Ill., East Moline—BAKERY, CANNERY, etc. — State of Illinois, Capitol Bldg., Springfield, having plans prepared by Division Architects & Engineers, Capitol Bldg., Springfield, bakery, store, cannery, farm buildings, water filter, etc., at Watertown State Hospital, here. $168,000.

Ill., Freeport — STEAM HEATING PLANT—Central Steam Heat & Power Co., 105 Montana Ave., Madison, Wis., plans central steam heating plant, boiler house, pipes, etc. $500,000. Private plans. L. J. Ashley, City Hall, engr.

Ia., Dubuque — FACTORY — Maizewood Products Corp., H. Brennan, pres., 209 South State St., Chicago, Ill., plans 1 story, 60 x 450 ft. wall board factory, rein.-con. and brick. $100,000. Engineer and architect not selected.

Ia., Le Mars—HEATING PLANT—F. O. Kehrberg, Sheldon, and W. Steiner, Sibley, plans 1 story, 40 x 60 ft., rein.-con. and brick heating plant and distribution lines, here. $125,000.

N. D., Mandan—POWER PLANT—Northern Pacific R.R. Co., Ry. Exch. Bldg., St. Paul, Minn., H. E. Stevens, ch. engr. had plans prepared by O. M. Rognan, Ry. Exch. Bldg., St. Paul, Minn., 35 x 48 x105 ft., rein.-con., brick and steel power plant, with rein.-con. chimney 165 ft. high and 7.5 ft. diam., incl. two 200 hp. and one 300 hp. water tube boilers, etc., here. $150,000.

Mo., Piedmont—POWER PLANT—See "Unclassified."

Mo., St. Louis—METAL MANUFACTURING—Alois Aufrightig Copper & Sheet Iron Mfg. Co., 900 South 3rd St., purchased site and plans 1 and 2 story, rein.-con. and steel plant, Delor St. and Missouri Pacific R.R. tracks. $75,000.

Ark., White Cliffs — CEMENT MILL — Lime Products Co., Home Insurance Bldg., Little Rock, A. B. Banks, pres., having plans prepared by Lund Eng. Co., Home Insurance Bldg., Little Rock, and soon takes bids 500,000 bbl. cement plant, here. Noted Apr. 28.

Tex., Big Spring—COLD STORAGE PLANT—Winn Produce Co. having plans prepared cold storage plant, cork insulation. $40,000. Private plans.

Tex., Hidalgo—COTTON GIN—M. Evans, J. B. Evans & A. C. Howard plan 6 stands, 80 saw capacity cotton gin. $40,000. Private plans.

Tex., Rock Springs—GARAGE and REPAIR SHOP—E. Miller plans 2 story fireproof garage and repair shop. $50,000. Private plans.

Tex., San Antonio—PLANT—Merchants Transfer Co., 215 Main Ave., c/o F. Canaday, pres., plans dry storage warehouse $200,000, 4 story cold storage warehouse $400,000; also garage $150,000, all brick, concrete and tile, Dolorosa Ave. and San Pedro Creek, etc. Total $1,000,000. Private plans.

Okla., Bristow—OVERALL FACTORY—Chamber Commerce, c/o A. Y. Shockey, chn., having preliminary plans prepared brick and concrete overall factory. $120,000.

Calif., Fresno—BAKING PLANT—Sunshine Baking Co., 907 Santa Fe Ave., E. Morris, pres., having plans prepared 3 story, steel and concrete, R and Mono Sts. $150,000. J. S. Goldie, 907 Santa Fe Ave., engr.

Calif., Los Angeles—FACTORY—Ingram & Co., Vernon, having plans prepared by J. M. Cooper, 301 Rives-Strong Bldg., 2 story, 97 x 117 ft., rein.-con. and steel, Alosta St. near 9th St. $40,000.

Calif., Los Angeles — BAKERY and WAREHOUSE—W. Mellema, archt., 422 Beaux Arts Bldg., soon takes bids 5 story, 126 x 144 ft., rein.-con., 1925 East Vernon Ave., for Safeway Stores, Inc., E. Selby, secy., 1925 East Vernon Ave. $150,000.

Ont., Toronto—GARAGE—Dundas Motor Sales Ltd., 2295 Dundas St. W., having plans prepared by Catto & Catto, 200 Bay St., 4 story and basement, rein.-con., brick and steel, Dundas St. $150,000.

Ont., Greensville — FLOUR MILLS — T. Morden & Son, Greensville (via. Dundas), plans rebuilding flour mills, recently destroyed by fire. $40,000 loss.

Bids Desired

Mass., Brighton (br. Boston)—SERVICE STATION and WAREHOUSE—Heil Hoist Co., 298 North Harvard St., A. Darcy, in charge, taking bids 1 story, 15,000 sq.ft. and 6,000 sq.ft. floor space, brick and steel, plain foundation, North Beacon and Market Sts. Krug & Smith, Milwaukee, Wis., archts.

Mass., Shrewsbury — PLANT, STORE-HOUSE and GARAGE—Chelmsford Ginger Ale Co., Lowell, taking bids 3 story, 60 x 80 x 245 ft., rein.-con. and brick, plain foundation, Boston and Worcester Rds. To exceed $40,000. T. Hixon, 4 Liberty Sq., Boston, archt.

Mass., South Boston (sta. Boston)—REPAIR SHOP and GARAGE—R. S. Brine Transportation Co., 43 India St., Boston, taking bids 1 story, rein.-con., plain foundation, 194 West 1st St. To exceed $40,000. E. C. Luce, Jr., 14 Beacon St., Boston, archt.

Mass., Stoneham—WAREHOUSE—E. L. Patch Co., 38 Mt. Vale Rd., taking bids 5 story and basement, 60 x 85 ft., rein.-con. and brick addition, plain foundation. To exceed $40,000. Densmore, LeClear & Robbins, Park Sq. Bldg., Boston, archts. and engrs.

N. Y., Brooklyn—MANUFACTURING—See "Contracts Awarded."

Pa., Phila.—WAREHOUSE, SHOPS and GARAGE—See "Contracts Awarded."

Md., Loch Raven—POWER HOUSE—June 28, by H. P. Hopkins & A. Burton, archts., 347 North Charles St., Baltimore, 1 story, 42 x 96 ft., rein.-con. and brick, plain foundation, for Maryland Training School for Boys.

O., Chillicothe — REPAIR GARAGE — June 28, by G. F. Schlesinger, dir. Dept. Highways & Pub. Wks., Columbus, 80 x 300 ft., brick and concrete repair garage, here. $65,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt.

Ill. Chicago—FACTORY—D. S. Klafter, archt., 64 West Randolph St., taking bids 1 story, 32 x 125 ft., brick and timber addition, 2335 Cromwell St., for Rubens & Marble, Inc., 2335 Cromwell St.

Wis., Sturgeon Bay — SERVICE STATION—See "Contracts Awarded."

Tex., Abilene—ICE PLANT—O. D. Dillingham taking bids 1 and 2 story, 87 x 126 ft. ice plant, 14th and Butternut Sts. $100,000. Private plans.

Buildings—Industrial (Continued)

Tex., Taylor — OIL MILL — See "Contracts Awarded."

Okla., Enid—PACKING PLANT—July 1, by Banfield Bros. Packing Co., 2 story, 100 x 140 ft., rein.-con., brick, steel and tile, incl. boiler room. $50,000. G. Birkland, engr., and L. J. Menges, archt., both c/o Natl. Packers, Inc., 405 Franklin St., St. Louis, Mo. Noted Apr. 7.

Contracts Awarded

Mass., Arlington — GARAGE and REPAIR SHOP — Town, Bd. Pub. Wks., 1 story, 70 x 140 ft., rein.-con. and steel, plain foundation, Hobbs Court, to D. F. and W. G. Burns, Inc., 9 Park St., Boston. Archts. est. to exceed $40,000.

Mass., Ashland — FACTORY — Warren Telechron Co., A. Kokin, 1 story, 13,000 sq. ft. floor space, brick, plain foundation, to H. L. Hauser Building Co., Inc., 263 Summer St., Boston. Archts. est. to exceed $40,000. Noted May 19.

Mass., Cambridge (Boston P. O.)—REPAIR and SERVICE GARAGE—W. P. Collins, c/o I. Stone, 53 State St., Boston, 2 story, rein.-con. and brick, plain foundation, 667 Cambridge St., here, to R. J. Gauvreau Constr. Co., 11 Beacon St., Boston. Archts. est. $50,000. Noted June 2.

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—H. E. Cline, 43 Tremont St., Boston, 1 story, rein.-con. and brick, plain foundation, Columbia Rd., here, to M. Osgood, 43 Tremont St. Archts. est. $75,000. Noted Mar. 3.

Mass., Northboro — TRANSFORMER STATION—Northboro Electric Co., 250 Main St., 1 story, concrete and brick, Hudson St., to Westinghouse Electric Mfg. Co., Lang St. and Pennsylvania R.R., Pittsburgh, Pa. Archts. est. $40,000.

Mass., Quincy (Boston P. O.)—SHOP—Smalley Granite Co., 89 Penn St., 1 story, brick, steel and granite, concrete foundation, to J. W. Pratt, 1 Bennington St., South Quincy. Archts. est. $40,000.

Mass., Somerville (br. Boston)—MANUFACTURING — Agar Mfg. Corp., C. A. Agar, pres., 1 story, 150 x 300 ft., rein.-con. and brick, concrete foundation, Clyde St. and Warwick Pl., to Chase & Gilbert, Inc., 250 Stuart St., Boston. Archts. est. $170,000. Noted May 26.

Mass., Worcester — MOTOR BUS GARAGE and REPAIR STATION — Worcester Consolidated Street R.R. Co., H. R. Whitney in charge, rein.-con., brick and steel, Grove St., to J. W. Bishop & Co., 109 Foster St. Archts. est. $40,000 or more.

Conn., New Britain—STEEL LOCKER PLANT—Hart & Hutchinson Co., Corbin Ave., 2 story, 75 x 110 ft., brick and steel, Corbin Ave., to W. H. Allen & Co., 12 Glen St. Archts. est. $40,000.

Conn., Stamford — COLD STORAGE — Wilson & Co., Jefferson St., 1 and 2 story, 50 x 150 ft., rein.-con., brick and steel, to Wood Co., 433 Main St. Archts. est. $65,00.

N. Y., Brooklyn—MANUFACTURING—T. Cohn, 745 65th St., will build 2 story 50 x 100 ft. manufacturing building, 745 65th St. $65,000. Work will be done by separate contracts. Salvati & LeQuorhik, 369 Fulton St., archts.

N. Y., New York—BAKERY—F. H. Bennett Biscuit Co., 139 Avenue D, 7 story and basement, 92 x 148 ft., rein.-con., brick and steel, 436 East 10th St., to Turner Constr. Co., 420 Lexington Ave. Archts. est. to exceed $700,000. Noted Apr. 7.

N. Y., New York—FACTORY—Natl. Urn Bag Co., 288 Southern Blvd., 4 story, 75 x 100 ft., rein.-con. extension, 140th St. near Southern Blvd., to Turner Constr. Co., 420 Lexington Ave.

N. J., Elizabeth—CHEMICAL FACTORY—Kuehne Chemical Co., Meadow Lane, general contract 1 story, 70 x 85 ft., brick and steel, plain foundation, Meadow Lane, to Parkinson Constr. Co., 306 Montclair Ave., Newark. Archts. est. $40,000.

Pa., Phila.—WAREHOUSE, SHOP and GARAGE—United Gas Impvt. Contg. Co., Broad and Arch Sts., will build 6 story and basement, 61 x 121 ft., and 61 x 439 ft. warehouse and shops, 9th and Berks Sts., $643,000; also 1 story and basement, 80 x 320 ft. garage, Montgomery and Berks Sts., $154,000, all rein.-con. and brick, plain foundations, by day labor. Perry, Shaw & Hepburn, 177 Station St., Boston, Mass., archts.

Pa., Phila.—FACTORY—I. T. Catharine, archt., Franklin Trust Bldg., 2 story and basement, 150 x 250 ft., rein.-con. and brick, plain foundation, Amber and Tioga Sts., to Gorman & Frank, 6912 Market St., for Gill Co., Amber and Tioga Sts. Archts. est. $200,000. Noted June 2.

S. C., Spartanburg — WEAVE SHED — Mills Mill Co., weave shed to house 10,000 spindles and 700-800 looms, to T. C. Thompson Co., 609 North Smith St., Charlotte, N. C., $165,000.

La., Monroe—ICE PLANT—Monroe Ice Co., 1 Story, 60 x 146 ft., rein.-con. and brick, Lovers Lane, to M. O'Brien, Monroe. Archts. est. $100,000.

O., Cleveland—BOILER HOUSE, etc.—Gas Products Co., S. D. Winger, vice-pres. and genl. mgr., Columbus, 1 story, structural steel and corrugated iron boiler house, generator plant, garage and office buildings, Jennings Rd., to Van Blarcom Co., Natl. City Bldg. Archts. est. $60,000. Noted Apr. 21.

O., Cleveland—MACHINE SHOP and OFFICE—W. S. Ferguson Co., archts. and engrs., 1900 Euclid Ave., 41 x 227 ft. machine shop, and 2 story, 40 x 100 ft. office, both brick, steel and concrete, West 98th St., to G. A. Rutherford Co., 2725 Prospect Ave., for Industrial Fibre Co., H. Rivitz, pres., West 98th St. Archts. est. $75,000. Noted June 2.

O., Cleveland—PUBLISHING PLANT—Herald Publishing Co., 2364 West 7th St., 3 story, 47 x 65 ft., brick, steel and concrete addition, to J. G. Woide, 1659 East 86th St. Archts. est. $40,000.

O., Cleveland—WAREHOUSE—Brooks Oil Co., c/o F. D. Ward, 3304 East 87th St., masonry contract, 3 story and basement, 52 x 81 ft., brick, 8601 Bessemer Ave., to H. Thomas, 4219 East 110th St. Archts. est. $40,000. Private plans.

O., Cleveland—FACTORY—Ohio Forge Co., 2955 East 92nd St., 1 story, 50 x 80 ft., brick and steel, 2955 East 92nd St., to Austin Co., 16112 Euclid Ave. Archts. est. $40,000. Private plans.

O., Cleveland — FACTORY — Cleveland Chain & Mfg. Co., L. D. Cull, secy.-treas., Bedford Rd., 2 story, 50 x 100 ft., brick and steel, Stop 3, Bedford Rd., to M. H. Lindhorst, 3478 West 117th St. Archts. est. $50,000.

O., Cleveland—FACTORY—J. Schuld, 3006 St. Clair Ave., 38 x 94 ft., brick, 1717 East 45th St., to J. Demshar, 548 East 123rd St. Archts. est. $40,000. Private plans.

Ind., Anderson — INDUSTRIAL — Amer. Steel & Wire Co., H. O'Connor, supt., 16th and Locust Sts., 2 story, 200 x 300 ft., and 170 x 300 ft. rein.-con., brick and steel buildings, plain foundations, West 16th St., to Eshelman & Sons, Anderson. Archts. est. $100,000. Noted Apr. 21.

Ind., Evansville — PLANT — Igleheart Bros., 1st Ave., general contract 3 story, flour mills, rein.-con. and brick, to Kanzler Constr. Co., Furniture Bldg. Archts. est. $120,000. Noted May 19.

Ill., East Peoria (br. Peoria)—GARAGE—Caterpillar Tractor Co., 1 story, 500 car capacity, rein.-con., West Washington St., to Austin Co., 16112 Euclid Ave., Cleveland, O.

Ill., East Moline — POWER PLANT — State of Illinois, Springfield, remodeling power plant of Watertown State Hospital, here, to J. H. Hunzinger & Co., Security Bldg., Davenport, Ia., $49,780.

Ill., Rockford — FACTORY — Hanson Clock Co., 1120 11th St., 2 story, 50 x 140 ft., rein.-con. and brick addition, to Linden & Son, Inc., 1110 10th St. Archts. est. $40,000.

Wis., Milwaukee — BOILER HOUSE — Dept. Pub. Wks., R. E. Stoelting, comr., superstructure 1 story, 58 x 172 ft. brick and steel boiler house, incl. coal conveying tunnel and retaining wall, at North Point Pumping Station, to Worden Allen Co., Port Washington Rd., $111,745.

Wis., Sturgeon Bay — SERVICE STATION—Severson & Konrad, John and Garland Sts., will build 2 story, 80 x 100 ft., rein.-con., brick and steel service station, by day labor. $40,000. Private plans. Noted May 19.

Kan., Emporia—ROUND HOUSE, MILL, OFFICE, etc.—Atchison, Topeka & Santa Fe R.R. Co. H. W. Wagner, ch. engr. (eastern lines), Topeka, Kan., 1 story, 40 stall rein.-con. and brick roundhouse 1 story, 38 x 110 ft. timber planing mill and car lumber shed, 2 story 38 x 148 ft. apprentice school, lavatory and locker, 1 story, 36 x 160 ft. office and lavatory, 1 story, 11 x 28 ft. ice house, all foregoing brick and 36 x 160 ft. platform, etc., to C. A. Fellows, Central Bldg., Los Angeles, Calif. Noted May 26.

Mo., St. Louis — ENAMEL PRODUCTS FACTORY — Superior Enamel Products Co., 1542 North 10th St., 1 story, 180 x 360 ft. plant, and 1 story, 30 x 80 ft. office building, rein.-con., brick and steel, 6200 St. Louis Ave., to William H. & Nelson Cunliff Co., 410 North Euclid Ave. Archts. est. $250,000.

Mo., St. Louis—BAKERY—C. J. Patterson Corp., 4050 Penn St., Kansas City, 2 and 3 story and basement, 117 x 151 ft., rein.-con., brick and steel, 4410 Gravois Ave., to Kremer & Voirol Constr. Co., Century Bldg. Archts. est. $150,000. Noted June 9.

Okla., Wewoka — SERVICE and GARAGE—J. C. Fore, general contract 3 story and basement, 75 x 140 ft., rein.-con., brick and stone, service and garage building, to H. W. Underhill Constr. Co., Braniff Bldg., Oklahoma City, $54,960. Archts. est. $75,000.

Tex., Henderson — ELECTRIC LIGHT PLANT—City, electric light plant, to Fairbanks-Morse & Co., 900 South Wabash Ave., Chicago, Ill. $80,000.

Tex., Taylor—OIL MILL—Citizens Cotton Oil Mill Co. will build brick and steel mill, by day labor. $45,000.

Calif., Santa Monica—FACTORY—Pratt Furniture Co., 1431-3rd St., 3 story, 70 x 108 ft., rein.-con., concrete pile foundation, to Wilson Bros., 832 Euclid Ave., $63,675. Noted June 2.

Que., Montreal—PLANT—Canadian Pulp & Paper Assn., 511 St. Catherine St. W., pulp and paper building at McGill University, to E. G. M. Cape & Co. Ltd., New Birks Bldg., $250,000.

Que., St. Hyacinthe—MILLS—Penmans, Ltd., Paris, Ont., yarn mills, here, to McKinnon Structural Steel Co., Sherbrooke, $250,000.

Ont., Toronto—BATTERY SERVICE—Toronto Battery Serv. Co., 21 McCaul St., general contract 2 story, 62 x 126 ft., concrete and steel, Bay St., to H. Jennings, 49 St. Clair St. W.; structural steel, to Disher Steel Constr. Co., 80 Commissioner St. Archts. est. $150,000. Noted June 2.

Buildings—Educational, Religious

Proposed Work

Mass., Attleboro—CHURCH—St. Josephs Roman Catholic Church, A. Berube, 208 South Main St., having plans prepared by W. F. Fontaine, 285 Main St., Woonsocket, R. I., 1 story and basement, brick and stone, plain foundation, South Main and Maple Sts. $150,000.

Mass., Southbridge—TRADE SCHOOL—Town, W. G. Lamoureau, chn. building com., having preliminary plans prepared by M. A. Dyer Co., 1 Beacon St., Boston, 2 story and basement, brick and stone, plain foundation. $150,000.

Mass., West Roxbury (br. Boston) — SCHOOL—City, Schoolhouse Dept., Boston, having preliminary plans prepared by Newhall & Blevins, Inc., 9 Park St., Boston, 2 story and basement, brick and limestone, plain foundation, Longfellow Dist., here. $200,000.

Mass., Winchester — LIBRARY — Town, G. B. Haywood, plans library, Mystic Valley Parkway and Washington St. $150,000 or more. Engineer and architect not selected.

R. I., Warwick—SCHOOL—Town, School Com. plans altering and constructing 2 story and basement, brick addition to Norwood School, plain foundation. $150,000. Engineer and architect not selected.

Conn., Hartford — TRADE SCHOOL — City, Bd. Educ. receiving competitive plans until Aug. 26, brick and steel trade school, (40c per cu.ft.) 591,000 cu.ft. total minimum area, Washington St. Cost not to exceed $375,000.

Conn., New Haven — LAW SCHOOL — Yale University, F. B. Johnson, supt. buildings, Ashmund St., having preliminary plans prepared by J. G. Rogers, 156 East 46th St., New York City, law school.

Conn., Wallingford — INFIRMARY — Choate School plans 2 buildings, $150,000; and combined dining hall and gymnasium, $54,000.

Conn., Wallingford — CHURCH — First Methodist Episcopal Church, D. G. Griswold, chn. building com., had plans prepared by W. T. Arnold, Journal Bldg., Meriden, 1 story and basement, 50 x 80 ft., brick and steel, Church and Main Sts. $150,000. Noted Jan. 6.

N. Y., Wassaic—INSTITUTION—Dept. Mental Hygiene, Capitol, Albany, takes bids probably in August, 40 new buildings for Wassaic State School for Mental Defectives, here. S. W. Jones, Capitol, Albany, state archt. Noted May 17.

N. J., Jersey City—SCHOOL—Bd. Educ., City Hall, having revised plans prepared by J. T. Rowland, 30 Journal Sq., 3 story,

Constr. News page 409

Buildings—Educational, Religious (Cont.)

brick and steel, plain foundation, Van Horne St. $1,000,000. Noted June 10, 1926.

N. J., Long Branch — CHURCH — R. Reilly, archt., 10 East 41st St., New York City, takes bids about July 1, general contract 1 story and basement, brick and steel, plain foundation, here, for Church of Our Lady of the Sea, M. C. McCorriston, pastor. $150,000. Noted Mar. 31.

N. J., Millburn—SCHOOLS—Bd. Educ., Township Hall, Millburn Ave., having sketches made 3 story addition to Wyoming School, $300,000; and 2 story addition to school, $150,000, both brick and steel, plain foundations. Engineer and architects names withheld.

N. J., Weehawken—SCHOOL—Bd. Educ., Town Hall, Park Ave., having plans prepared by W. Weir, 254 Summit Ave., Union City, 3 story, brick and steel, plain foundation, Louisa Pl. $400,000. Noted May 5.

Pa., Mt. Lebanon (Pittsburgh P. O.)—CHURCH—Mt. Lebanon United Presbyterian Church, Washington Rd., Mt. Lebanon, and O. M. Topp, archt., Jenkins Arcade, and J. L. Beatty, archt., Jackson Bldg., both Pittsburgh, take bids about June 24, 1 and 2 story and basement, irregular shaped, stone and steel addition, North Liberty Ave. $250,000. Noted May 19.

Pa., Oil City—LODGE—Knights of Columbus having plans prepared by Brenot & Hicks, Oil City and Erie, 2 story and basement, 60 x 120 ft., brick, terra cotta and steel lodge. $150,000.

Pa., Phila. — HIGH SCHOOLS — Bd. Educ. plans 2 Senior High Schools, one 28th and Mifflin Sts., and other Front and Duncannon Sts.

Pa., Phila. — DORMITORIES and POWER HOUSE—Bd. Educ., J. D. Cassell, supt. buildings, having plans prepared by I. T. Catharine, 19th and Chestnut Sts., 2 dormitories and power house, Byberry St. $500,000.

D. C., Wash.—CHURCH and SUNDAY SCHOOL—Lutheran Church of Atonement, North Capitol St. and Rhode Island Ave., had tentative plans prepared by Ritcher & Eiler, 147 North 5th St., Reading, Pa., church and sunday school. $150,000.

Va., Richmond—HIGH SCHOOL—Bd. Educ., W. F. Reams, chn., having plans prepared by C. M. Robinson, Times-Dispatch Bldg., new high school and other improvements. $850,000.

Fla., Coral Gables — CHURCH — St. Stephens Episcopal Church, B. Loper, pastor, had plans prepared by J. Bullen, Metropolitan Bldg., Miami, new church, Granada Blvd. and University Mall. $500,000.

Tenn., Johnson City—CHURCH—First Methodist Episcopal Church, H. C. Black, chn. building com., raising $150,000 funds, new church, Maple St.

Ky., Louisville — HIGH SCHOOL — Bd. Educ. having plans prepared by M. J. Colley, c/o owner, Western Girls High School 3 story, 250 x 480 ft., rein.-con., brick and tile, 39th and Cedar Sts. $750,000.

Ill., Chicago — SYNAGOGUE — Temple B'Nai Zion, having plans prepared by E. P. Steinberg, 360 North Michigan Ave., 3 story, 105 x 125 ft., brick and Indian limestone, 1439-47 Pratt Blvd. $250,000.

Ill., Evanston — SCHOOL — Bd. Educ. having sketches made by Childs & Smith, 720 North Michigan Ave., 3 story and basement, rein.-con., brick and stone, Lee, Sherman, Greenleaf and Elmwood Aves. $400,000.

Ill., Rockford — CHURCH — Emanuel Episcopal Parish, G. Sibbald, 42 North Church St., minister, had plans prepared by R. A. Cram, 248 Boylston St., Boston, Mass., new church, North Church St. $150,000.

Ill., Rock Island — GRADE and HIGH SCHOOL — Bd. Educ. having plans prepared by Cervin, Horn & Stuhr, Safety Bldg., Grade and Junior High School, 2 or 3 story and basement, 16 to 22 room. $150,000.

Kan., Lawrence — BIOLOGICAL — Bd. Regents Kansas University, H. E. Shrack, bus. mgr., had plans prepared by C. D. Cuthbert, State House, Topeka, 4 story and basement, 135 x 145 ft., rein.-con., brick and stone biological building. $200,000.

Neb., Lincoln—HIGH SCHOOL—School Dist. 1 Lancaster Co., J. G. Ludlom, secy., having preliminary plans prepared by Davis & Wilson, 525 South 13th St., Junior High School, 2 story and basement, 11th and C Sts. $300,000.

Mo., Kansas City — UNIVERSITY — Lincoln & Lee University having plans prepared by E. B. Delk, Myer Blvd. and Wark Parkway, for University building. $5,000,000. Noted June 17, 1926.

Mo., Richmond Heights (mail St. Louis)—CHURCH—St. Lukes Roman Catholic Parish, c/o J. A. McMahon, 7232 Dale Ave., purchased site and having plans prepared by Study, Farrar & Rothenheber, Arcade Bldg., St. Louis, 1 and 2 story, 90 ft. tower and basement, rein.-con., brick and stone, Dale and Belleview Ave. $200,000.

Tex., Pharr—SCHOOLS—Voted $200,000 bonds, improving schools. H. P. Smith, 312 Natl. Bank Commerce Bldg., San Antonio, engrs.

Tex., San Angelo—HIGH SCHOOL—Bd. Educ. takes bids after July 15, Junior College, 2 story, 110 x 160 ft., rein.-con. and brick, plain foundation. $230,000. Phelps & DeWees, 718 Gunter Bldg., San Antonio, archts. Noted June 2.

Tex., San Antonio—CHURCH and SUNDAY SCHOOL—Laurel Heights Methodist Church takes bids about July 1, 2 and 4 story, 91 x 138 ft., rein.-con. and brick, plain foundation, Woodlawn St. and Belknap Pl. $150,000. Adams & Adams, c/o Builders Exch. Bldg., archts.

Tex., Wichita Falls—SCHOOLS—Voted $250,000 bonds, altering and constructing school additions, for Bd. Educ. J. W. Cantwell, supt. schools.

Okla., Ada—SCHOOL—State Bd. of Affairs, Capitol Bldg., Oklahoma City, having plans prepared by A. S. Ross, Ada, brick, on campus East Central Normal School, here. $160,000.

Okla., Chickasha—DORMITORY—Oklahoma College for Women having preliminary plans prepared by J. I. Davis, 1103 1st Natl. Bank Bldg., Oklahoma City, 3 story and basement, rein.-con., brick and stone dormitory. $200,000.

Okla., Claremore — ACADEMY — State Military Academy, having preliminary plans prepared by A. J. Love & Co., 213 Lynch Bldg., Tulsa, rein.-con., brick and stone academy. $172,500.

Okla., Edmond—SCHOOL—State Bd. of Affairs, Capitol Bldg., Oklahoma City, having plans prepared by G. C. Reid, 421 West 23rd St., Oklahoma City, rein.-con. and brick, plain foundation, on campus Central Teachers College, here. $150,000.

Calif., Beaumont — HIGH SCHOOL — Beaumont High School Dist. having plans prepared by Kistner & Co., Detwiler Bldg., Los Angeles, brick high school. $150,000.

Calif., Belvedere—SCHOOL—Bd. Educ. soon takes bids, 2 story, 37 x 243 ft. and 61 x 90 ft. brick additions, here, for Los Angeles City School Dist. $150,000.

Calif., Glendale—HIGH SCHOOL, etc.—Glendale Bd. Educ. voted $1,100,000 bonds, high school in northwest section, and $300,000 bonds, boys gymnasium and manual arts building, at present Bway. High School. A. W. Priest, 719 Fay Bldg., Los Angeles, archt.

Calif., Los Angeles—CHURCH—First United Presbyterian Church soon takes bids 1 story, 90 x 144 ft. with 80 ft. dome, rein.-con., Washington and West Blvds. $250,000. Austin & Ashley, Chamber of Commerce Bldg., archts.

Calif., Piedmont—COLUMBARIUM and MAUSOLEUM—Mt. View Cemetery Assn., c/o Weeks & Day, archts., 405 Montgomery St., San Francisco, having plans prepared (1st unit) concrete, Mt. View Cemetery. $200,000. Total $1,000,000.

Calif., Pomona—DORMITORIES, etc.—State Building Com., Sacramento, having plans prepared by State Dept. Pub. Wks., Div. Architecture, Forum Bldg., Sacramento, fireproof dormitories, school, and gymnasium buildings, Pacific Colony. To exceed $200,000.

Calif., South Pasadena (Ind. br. Pasadena)—SCHOOL—South Pasadena School Dist. voted $550,000 bonds, Junior High School, and manual arts department building, etc. Noted May 5.

Bids Desired

Mass., Cambridge (Boston P. O.) — AERONAUTICAL ENGINEERING—Massachusetts Institute of Technology, E. P. Warener, professor, taking bids 3 story and basement, 60 x 150 ft., brick and limestone, plain foundation, Technology Grounds, Massachusetts Ave. $230,000. Coolidge & Carlson, 89 State St., Boston, archts.

Mass., North Andover—CHURCH—St. Michaels Roman Catholic Church, G. Haley, pastor, 196 Main St., taking bids altering and constructing 1 story and basement, brick and stone addition, plain foundation, Main St. $150,000. W. B. Colleary, 80 Boylston St., Boston, archt. Noted Feb. 3.

Mass., Somerset—SCHOOL—Town, F. H. Gardner, chn. com., taking bids brick and stone, plain foundation, Wood and Wilbur Sts. $150,000. E. M. Corbett, 70 Bedford St., Fall River, archts. Noted May 26.

R. I., Westerly—MEMORIAL HALL and LIBRARY—Town taking bids on revised plans memorial hall and library. Ludlow & Peabody, 101 Park Ave., New York City, archts. C. R. Place, 70 East 45th St., New York City, engr.

N. Y., Albany—COLLEGE—Dept. Education Bldg., Albany, takes bids probably in July, new building for New York State College for Teachers. S. W. Jones, Capitol, State archt. Noted May 17.

N. J., Hackensack—CHURCH—June 27, by R. Hume, archt., 247 Park Ave., New York City, general contract 1 story, brick and steel, plain foundation, here, for Holy Trinity Roman Catholic Church, Maple Ave. $150,000.

N. J., Jersey City—AUDITORIUM—McKenna & Irving, archts., 15 Park Row, New York City, taking bids general contract 1 story and basement, 70 x 110 ft., brick and steel, plain foundation, Ocean Ave., here, for St. Patricks Roman Catholic Church, 492 Bramhall Ave. $150,000.

N. J., Roselle (Ind. br. Elizabeth) — SCHOOL—July 12, by Bd. Educ., Chestnut St. School, 2 story and part basement, 112 x 112 ft. school, 5th and Washington Aves. F. A. Elsasser, 845 Broad St., Newark, archt. Noted June 9.

W. Va., Morgantown — GYMNASIUM — July 11, by State Bd. Control, Charleston, 1 story gymnasium, 382½ ft. Beechurst Ave., here, for West Virginia University, $225,000. Davis-Dunlap & Barney, 1805 Walnut St., Phila., Pa., archts.

O., Dayton—SCHOOL—July 11, by Bd. Educ., C. S. Schmidt, clk., 2 story and basement, brick and rein.-con., plain foundation, Webster Ave. $200,000. Hermann & Brown, Reibold Bldg., archts.

O., Dayton—HIGH SCHOOL—July 15, by Bd. Educ., C. J. Schmidt, clk.-treas., for Col. White Junior High School, 3 story and basement, brick, stone and rein.-con., plain foundation, Wabash and Niagara Sts. $400,000. B. E. Lloyd, 502 Lowe Bldg., archt.

Ind., South Bend—SCHOOL Bd., R. B. Dugdall, pres., taking bids Thos. Jefferson School, brick, steel and stone. $275,000. A. Shambleau, 111 North Lafayette St., archt.

Mich., Detroit—SCHOOL—June 29, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Elmira Ave. $168,000. Verner, Wilhelm & Molby, 2824 Book Bldg., archts.

Mich., Flint—SCHOOL—A. DesRosiers, engr., 630 Mckerchey Bldg., Detroit, taking bids and opens same about June 30, 3 story and basement, 64 x 175 ft., rein.-con., brick and steel, plain foundation, here, for St. Michaels Parish, A. Dunnigan, pastor. $150,000.

Ill., Chicago—SCHOOLS—June 30, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., for Leander Stone Elementary School, 3 story, 140 x 250 ft., Leavitt St. and Rosemont Ave., $150,000; Marquette School Addition, 66th and Richmond Sts. J. C. Christensen, c/o owner, archt.

Tex., Amarillo—CHURCH and EDUCATIONAL—G. A. Carlander, archt., Massie Bldg., taking bids 1 story and basement, 82 x 131 ft., brick and stone, Tyler St., for First Baptist Church, G. L. Yates, pastor. $200,000. Noted Mar. 17.

Que., Chicoutimi—CHURCH—June 25, by A. Lamontague, archt., Chicoutimi, church, 48 ft. high, 250 ft. long, for Roman Catholic Church. $150,000.

Contracts Awarded

Me., Lewiston—HIGH SCHOOL—City School Com., altering and constructing 2 story and basement, brick and stone addition, plain foundation, to Naugler Bros., Brunswick. Archts. est. $150,000 or more. Noted June 2.

Me., Presque Isle—SCHOOL—Town and State of New Hampshire, Concord, rein.-con. and brick, plain foundation, Academy St., to N. W. Downing, Presque Isle. Archts. est. $150,000 or more. Noted May 12.

N. H., Concord—SCHOOL—St. Marys School for Girls, M. S. Ladd, altering and constructing 2 story and basement, brick and stone, plain foundation, to Hutchinson Building Co., 163 South Main St. Archts. est. $150,000. Noted May 19.

N. H., Keene—SCHOOL—City, W. C. Adams, supt. schools, altering and constructing 2 story and basement, brick and granite addition to Tilton School, plain foundation, to Pearson Bros. & Co., 1 Main St. Archts. est. $150,000 or more. Noted June 2.

N. H., Plymouth—DORMITORY—State of New Hampshire, E. L. Silver, 3 story and basement, brick and stone, plain foundation, to Davidson & Swanburg, 37

Constr. News page 410

Buildings—Educational, Religious (Cont.)

Amherst St., Manchester. Archts. est. $150,000. Noted June 9.

N. H., Somersworth—HIGH SCHOOL—Town, School Bd., general contract 3 story, 70 x 110 ft., brick and steel, Grand St., to F. A. Rumery Co., 537 Congress St., Portland, Me., approximately $96,000. May 26.

Vt., Castleton — DORMITORY and HEATING PLANT—State of Vermont, J. W. Weeks, gov., 3 story and basement, brick, plain foundation, to C. G. Noyes, Rutland, $98,883. Noted June 2.

Mass., Allston (sta. Boston)—CONVENT—St. Anthony's Roman Catholic Church, N. J. Murphy, pastor, Holton St., 3 story and basement, 50 x 100 ft., brick and stone, plain foundation, to W. H. Muldoon, 29 Priscilla Rd., Brighton. Archts. est. $150,000.

Mass., Brookline (br. Boston) — CHURCH—St. Pauls Church, c/o Richardson, Barot & Richardson, archts., 9 Newbury St., Boston, altering and reconstructing 1 story and basement, brick, stone, and granite, St. Pauls St. and Aspinwall Ave., to Sawyer Constr. Co., 16 Arlington St., Boston. Archts. est. $150,000.

Mass., Fall River—RECTORY—St. Annes Cathedral, J. M. Quinn, pastor, 3 story and basement, 40 x 95 ft., granite and limestone, plain foundation, Rodman and 2nd Sts., to Geeney & Sherry, 827 Davol St. Archts. est. $150,000. Noted June 2.

Mass., Jamaica Plain (sta. Boston) — HOME—Home for Italian Children, 1125 Centre St., 2 story and basement, 60 x 100 ft., brick and terra cotta, plain foundation, to A. Desimone, c/o J. J. Harty, 25 Huntington Ave., Boston. Archts. est. $150,000. Noted Jan. 20.

Mass., Medway—HIGH SCHOOL—Town, School Bd., altering and constructing 2 story and basement, brick and stone addition, plain foundation, to Dillon Bros. 211 Main St., Milford. Archts. est. $150,000. Noted Apr. 21.

Mass., Revere—HIGH SCHOOL—City, School Bd., City Hall, 2 story and basement, 40 x 108 ft., brick and steel addition to Garfield Junior High School, to Frankini Bros., 30 Mystic Rd., Medford, $134,805. Noted May 26.

Mass., Sandwich—SCHOOL—Town, S. M. Beal, chn. com., altering and constructing 2 story and basement, brick and stone addition, plain foundation, Falmouth Rd., to T. E. Kelleher, Sandwich. Archts. est. $150,000. Noted Apr. 21.

Mass., Winthrop — HIGH SCHOOL — Town, School Com., 2 story and basement, brick and stone addition to Junior High School, Herman St., to J. J. Powers Co., 33 Mystic Ave., Cambridge. Archts. est. $150,000. Noted May 19.

Mass., Worcester—PARISH HOUSE—First Universalist Church, 62 Pleasant St., 3 story and basement, brick and stone, plain foundation, Clinton Court, to Lowell-Whipple Co., 44 Portland St. Archts. est. $150,000. Noted June 2.

R. I., Kingston — ENGINEERING — Rhode Island State College, Comrs. Bd. Educ., Providence, general contract 4 story and basement, 60 x 140 ft., brick and steel, plain foundation, here, to W. J. Handley Co., 280 Main St., Fitchburg, Mass., $144,000. Noted Mar. 19.

N. Y., Mexico—HIGH SCHOOL—Bd. Educ., 2 story and basement, 110 x 143 ft., brick, steel and concrete, to H. C. O'Connell, Earlville, $125,000. Noted May 12.

N. Y., New York — SCHOOL — Chapin School, 32 East 57th St., general contract 5 story, brick, steel and stone, plain foundation, East End Ave. between 84th and 85th Sts., to Edward Corning Co., 145 East 45th St. Archts. est. $500,000-$600,000. Noted Mar. 10.

N. J., Verona (Ind. br. Montclair)—SCHOOLS—Bd. Educ., general contract 2 story brick and steel additions to High School, Forest Ave. and Brookdale Schools, plain foundations, to Gall Bros., Allen St., Netcong, approximately $450,000. Noted May 5.

Pa., New Wilmington—DORMITORY—Westminster College, Robert Audley, Brown Hall, 2 and 3 story and basement, irregular shaped, brick and steel, to J. C. Gilfillan, New Castle. Archts. est. $150,000. Noted June 2.

Pa., New Wilmington — MEMORIAL — Westminster College and A. L. Thayer, archt., New Castle, Old Main Memorial Building, 2 and 3 story and basement, irregular shaped, brick, stone and steel, to Smith & Bauman, New Castle. Archts. est. $250,000. Noted June 9.

Pa., Phila. — SYNAGOGUE — Simon & Simon, archts., 249 South Juniper St., 5 story and basement, 90 x 242 ft., rein.-con. steel, granite and limestone, plain foundation, Broad and Mt. Vernon Sts., to Irvin & Leighton, 126 North 12th St., for Randolph Shalom Congregation, L. Friedman, pastor. Archts. est. $600,000. Noted May 19.

Pa., Phila.—HIGH SCHOOL—Bd. Educ., general contract Junior High School, 4 story and basement, 159 x 268 ft., rein.-con. and brick, Thompson and Montgomery Sts., to W. Langborne Co., 10 South 18th St., $975,500; plumbing, to F. Wachenhut, 2416 Frankford Ave., $43,500; heating, to McClintock & Co., 5608 Race St., $98,373; and electrical work, to Mitchell & Co., 1337 McFerren St., $69,900. Grand total $1,187,273. Noted June 2.

Pa., Uniontown—SCHOOL—Bd. Educ., general contract 2 and 3 story and basement, irregular shaped school, to Harris Constr. Co., California. Archts. est. $150,000.

Va., Richmond—CHURCH—First Baptist Church, new church, Monument Ave. and The Boulevard, to J. T. Wilson Co., Inc., Mutual Bldg., $400,000.

O., Cleveland — LABORATORY — Case School of Applied Science, C. S. Howe, pres., Euclid Ave., 3 story and basement, 60 x 160 ft., brick and steel, Euclid Ave., to A. M. Higley Co., Plymouth Bldg. Archts. est. $150,000. Noted Feb. 3.

O., Willoughby — SCHOOL — First Immaculate Conception Congregation, W. Nash, pastor, 49 Vine St., 2 story, 124 x 150 ft., brick, steel and concrete, to Johnson & Erickson, Ashtabula. Archts. est. $150,000.

Ind., Ft. Wayne—CHURCH and SUNDAY SCHOOL — Grace Reformed Church, general contract 2 story and basement, rein.-con., brick and steel, Webster and Lexington Aves., to J. F. Gunpper & Sons, 3124 Hoagland St. Archts. est. $160,000.

Ind., Indianapolis—NURSES HOME—Riley Memorial Assn., West Michigan St., general contract rein.-con., brick and steel nurses home, to L. Colvin, 823 Continental Bank Bldg. Archts. est. $500,000. Noted Dec. 30.

Ind., Indianapolis—MEDICAL—Indiana Medical School, West Michigan St., general contract medical building, to L. Colvin, 823 Continental Bank Bldg. Archts. est. $150,000. Noted May 5.

Ind., Marion—GYMNASIUM and AUDITORIUM—Bd. Educ., general contract rein.-con., brick and steel gymnasium and auditorium, to W. R. Dunkin & Son, Huntington. Archts. est. $150,000. Noted Apr. 28.

Mich., Saulte Ste. Marie — HIGH SCHOOL — Bd. Educ. general contract 3 story and basement, rein.-con., brick and stone, to M. Madsen, Natl. Bldg., Minneapolis, Minn. Archts. est. $300,000. Noted May 12.

Mich., Warren—SCHOOL—J. M. Vedder, secy. Bd. Educ., for Harding School, 2 story and part basement, rein.-con., brick and steel, plain foundation, Dist. 5, to T. J. Klein, 2934 Holcomb Ave., Detroit. Archts. est. $150,000. Noted June 2.

Ill., Casey—MANUAL ARTS and GYMNASIUM—Bd. Educ. School Dist. 202, W. G. Buckler, secy., 2 story, 126 x 143 ft., rein.-con. and brick, to F. J. Schwart, Casey.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., general contract three 3 story and basement, 190 x 240 ft., brick, steel, stone and terra cotta schools, one at 90th and Throop Sts., to H. A. Hanson Constr. Co., 8541 Baltimore Ave., $209,454; one at 69th and Fairfield Sts., to Simpson Constr. Co., 1112 South Hermitage Ave., $213,000; and other at 101st St. and Prairie Ave., to A. and E. Anderson Co., 19 South La Salle St., $207,920. Grand total $630,384. Archts. ests. $500,000 each. Noted Apr. 28.

Ill., Glencoe — SYNAGOGUE — A. S. Alschuler, archt., 28 East Jackson Blvd., general contract 2 story and basement, 200 x 200 ft., brick and steel, Lincoln and Vernon Aves., to Heidel & Beck, 6235 South Michigan Ave., for North Shore Congregation of Israel, c/o M. W. Spitz, Glencoe. Archts. est. $275,000. Noted May 12.

Ill., Waukegan — SYNAGOGUE—Temple Am Echod, J. A. Miller, chn. building, com., 2 story and basement, 65 x 125 ft., rein.-con., brick and stone, Julian and 8th Sts., to B. Zide, Waukegan Natl. Bank Bldg. Archts. est. $150,000.

Kan., Wichita—CHURCH and SUNDAY SCHOOL—First Baptist Congregation, W. H. Rogers, pastor, 4 story and basement, 80 x 140 ft., rein.-con., brick and stone addition, 2nd and Lawrence Sts., to J. Denny, 1413 North Lawrence St. Archts. est. $165,000. Noted Feb. 3.

Mo., Kansas City—SCHOOL—Bd. Educ., general contract 3 story and basement, 110 x 130 ft., rein.-con. and brick addition to Mersvery School, to Lishear Constr. Co., 447 East 55th St., $147,371.

Tex., Austin—NURSES HOME—Sisters of St. Vincent De Paul, 3 story, brick, stone, and rein.-con. 26th and Rio Grande Sts., to J. R. Blackmore, 205 Live Oak St., $150,000.

Calif., Palo Alto—ATHLETIC—Stanford University, brick, on campus, to G. Wagner, 181 South Park St., San Francisco, approximately $175,000. Noted May 26.

Calif., Pittsburg — SCHOOL — Trustees Pittsburg High School Dist., brick and concrete high school, to J. S. Hannah, 268 Market St., San Francisco, $197,570 not incl. heating work. Noted May 5.

Que., Ste. Tite—CHURCH—Roman Catholic Church, 85 x 264 ft. church, in Champlain Co., to A. Giroux, St. Casimir de Portneuf, $172,000. Noted Dec. 2.

B. C., Victoria—CATHEDRAL—J. C. M. Keith, archt., Sayword Bldg., rein.-con. and stone nave and western towers of cathedral, to Parfitt Bros., Ltd., 1303 Gladstone Ave., $300,000. Noted Mar. 10.

News-Record Information Bureau

Are you making the most use out of this equipment information bureau? Let *News-Record* help you get in touch with those who can best meet your requirements for machinery and materials.

Use the Coupon to make your requirements known

A. W. Welch,
ENGINEERING NEWS-RECORD,
Tenth Ave. at 36th St., New York, N. Y.

In the market for:

. . . . . .

. . . . . .

. . . . . .

Name . . . . . .

Address . . . . . .

Constr. News page 411

Federal Government Work

Proposed Work

D. C., Anacostia (sta. Wash.)—Heating System—Spec. 5419—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans heating system for hangar, incl. steam supply main, in part overhead, return main in ground, concrete sump, 7½ hp. alternating current motor and piping, installing heating unit and fan furnished by government, all at U. S. Naval Air Station, here.

Ill., Great Lakes (br. Waukegan)—Improvements—Spec. 5362—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans improving prison at Naval Training Station, here. Tile, terra cotta, sheet metal, metal lath, etc.

Texas—Canal—U. S. Engineer Office, Galveston, making surveys intercoastal canal work from Galveston to Corpus Christi. $70,000. Total $5,000,000. J. L. Schley, c/o Trust Bldg., Galveston, dist. engr.

California—Bridge—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds. Sheldon Bldg., San Francisco, made plans 200 ft. steel truss bridge on concrete piers and five 40 ft. concrete approach spans over Trinity River, at Cedar Flat, Trinity Co.

Bids Desired

Mass., Chelsea (br. Boston) — Deck House—June 24, by Superintendent Lighthouses, 37 Marginal St., steel deck house on Lightship 85.

Rhode Island and Connecticut—Breakwaters—July 22, by U. S. Engineer Office, Providence, R. I., repairing breakwaters at Point Judith Harbor, R. I., and Dick Island Harbor, Conn.; adv. E. N.-R. June 23.

N. Y., New York—Laundry Addition, etc. —July 5, by U. S. Veteran's Bureau, Wash., D. C., constructing laundry addition and connecting tunnel, at U. S. Veteran's Hospital 81, Bronx Boro., here.

Va., Hampton Roads (br. Norfolk)—Spec. 5370—Refrigerating Equipment, etc. —July 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating equipment and cold storage at Naval Operating Base, here. Noted June 16.

N. C., Oteen—Water Storage Tank—July 5, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing 400,000 gal. water storage tank, steel, at U. S. Veterans Hospital 60, here.

N. C., Wilson—Post Office—July 29, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here.

O., Chillicothe—Storehouse—July 12, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing storehouse at U. S. Veterans Hospital 97, here.

Illinois—Pile Dike—July 15, by U. S. Engineer Office, 428 Customhouse, St. Louis, Mo., constructing 1,000 lin.ft. concrete pile dike in Mississippi River, at Pulltight, and Calico Island, and James Landing, here; adv. E. N.-R. June 23.

Ill., Great Lakes (br. Waukegon) — Prison Improvements—Spec. 5363—June 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., prison improvements at Naval Training Station, here.

Ia., Knoxville—Tile Floors—July 5, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., tile floors in kitchen and mess building at U. S. Veterans Hospital 57, here.

Nebraska-Wyoming—Power Plant Unit—July 26, at office Bureau Reclamation, Mitchell, Neb., installing (2nd unit) Guernsey Power Plant, North Plate Project, here. E. Mead, comr.; adv. E. N.-R. June 23.

Wyoming—Road—June 28, by Bureau Pub. Rds., 301 Customhouse Bldg., Denver, Colo., J. W. Johnson, dist. engr., grading, etc., 8.78 mi. Sect. 1, West Gallatin Natl. Park Road Project, in Yellow Stone Natl. Park.

Wyoming—Road—June 30, by Bureau Pub. Rds., Custom House, Denver, Colo., J. W. Johnson, dist. engr., grading, etc., 2.6 mi. Sect. 5, Dayton-Steamboat Rock, Natl. Forest Road Project, Sheridan Co.

Missouri—Earthwork—July 7, at office District Engineer Northern Mississippi River Comn. Dist., Customhouse, St. Louis, constructing 360,000 cu.yd. earthwork in Levee Dist. 2, Perry Co.; adv. E. N.-R. June 23.

Missouri and Illinois—Piling Dikes—July 15, by U. S. Engineer Office, 428 Customhouse, St. Louis, Mo., 2,500 lin.ft. piling dikes or hurdles at Crains Island, 8,000 lin. ft. at Schenimann, and 3,000 lin.ft. at Missouri Sister Island, Mo.; also 4,000 lin.ft. at Hanging Dog Island, Ill., all foregoing in Mississippi River; adv. E. N.-R. June 23.

Missouri—Current Retards—July 15, by U. S. Engineer Office, 428 Customhouse, St. Louis, constructing 2,500 lin.ft. current retards at Thompson, or at Greenfield Bend, on right bank of Mississippi River, near Birds Point; adv. E. N.-R. June 23.

Mo., Kansas City—Remodeling—July 13, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Mo., Miami—Dikes—July 8, by U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, 2,000 lin.ft. standard pile clump dikes in Missouri River, at Miami Bend, point 4 mi. from here.

Colorado — Road — June 29, by J. W. Johnson, dist. engr. Bureau Pub. Rds., Customhouse, Denver, grading, etc., 6.46 mi. Sect. 2 Ward-Raymond Natl. Forest Road Project, Boulder Co.

Arizona — Road — June 28, by C. H. Sweetser, dist. engr. U. S. Dept. Interior, U. S. Bureau Pub. Rds., 411 Ellis Bldg., Phoenix, grading, etc., portions North Rim Natl. Park Highway, incl. portions Sects. 3-A, 3-B and 3-D, in Grand Canyon Natl. Park.

Contracts Awarded

New Jersey—Dredging—U. S. Engineer Office, Wilmington, Del. dredging in Salem River, here, to Atlantic, Gulf & Pacific Co., 13 Park Row, New York City, N. Y., $128,155. Noted April 25.

Pa., Phila.—Scows—U. S. Engineer Office, two 102 ft. deck steel scows to Dravo Contg. Co., Neville Island, Pittsburgh, $51,550.

Delaware—Dredging—U. S. Engineer Office, Wilmington, dredging in Smyrna River, to W. H. French Dredging & Wrecking Co., Citizens Bank Bldg., Norfolk, Va., $16,307; and in Little River, to Delaware Dredging Co., 139 South 3rd St., Phila. Pa. $12,584. Noted April 21.

S. C., Charleston—Driving Piles—U. S. Engineer Office, driving piles for training wall at Winyah Bay, to J. E. McQuade, Georgetown, S. C., $6,200.

Fla., Pensacola—Seaplane Runways and Hangars, etc. — Spec. 5359 and 5341 — Bureau Yards & Docks, Navy Dept., Wash., D. C., seaplane runways, bulkhead and pavement at Naval Air Station, here, to Doullet & Ewin, Inc., 414 Macher Bldg., Mobile, Ala., $107,450; and seaplane hangars, to Newport Constr. & Eng. Co., Law Bldg., Newport News, Va., $225,600. Noted June 2.

O., Dayton—Wells—Constructing Quartermaster, Wright Field, drilling and developing water wells, Wright Field, here, to A. E. Boone, 612 Wayne Ave., $7,678.

Ill., Chicago—Quarters—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing medical officers, junior medical officers, and attendants quarters, etc. at U. S. Marine Hospital, here, to C. E. Carson Co., 601 St. Clair St., $197,426. Noted Apr. 21.

Wis., Milwaukee—Tug—U. S. Engineer Office, 60 ft. steel side wheel tug, to Sturgeon Bay Shipbuilding & Dry Dock Co., Sturgeon Bay, $60,950. Noted Apr. 28.

Missouri — Current Retards — U. S. Engineers Office, 707 Postal Telegraph Bldg., Kansas City, 1,500 lin.ft. current retards in Missouri River near Machens, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $78,900.

Mo., Grand Pass—Dikes—U. S. Engineer Office, 707 Postal Bldg., Kansas City, constructing 5,000 ft. standard pile clump dikes on Missouri River, at Tamerlane Bend, about 3 mi. from here, to Massman Constr. Co., Amer. Bank Bldg., Kansas City, $163,793. Noted May 19.

Mo., Miami—Current Retards—U. S. Engineer Office, 707 Postal Bldg., Kansas City, current retards in Miami Bend, Missouri River, to Woods Bros. Constr. Co., Security Bldg., Kansas City, $150,938.

Mo., Napoleon—Revetment—U. S. Engineers Office, 7070 Postal Telegraph Bldg., constructing 8,200 ft. standard revetment work in Missouri River, 3 mi. below here, to woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $192,390. Noted May 12.

Oregon—Road—C. H. Purcell, dist. engr. U. S. Bureau Pub. Rds., New Post Office Bldg., Portland, grading, etc., 8.1 mi. Mt. Hood-Wapanitia Sect. Mt. Hood Natl. Forest Rd., Wasco Co., to F. L. Boardman, Boardman. $51,109.

Calif., San Diego — Swimming Pool — Spec. 5401—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete swimming pool at Naval Operating Base, here, to E. F. Hastings, 3754 5th St., $4,475.

P. I., Canacao—Quarters—Spec. 5326—Bureau Yards & Docks, Navy Dept., Wash., D. C., Junior Officers and Nurses Quarters at Naval Hospital, here, to J. E. Grant, 129 Calle Padre Faura, Manila, $115,000 (270 days). Noted Mar. 3.

FEDERAL POWER COMMISSION

Application for License and Permits

Applications

800—Southern California Edison Co., 601 West 3rd St., Los Angeles, Calif., wants license transmission line within Angeles Natl. Forest, Los Angeles Co.

801—Kings Hill Epworth League Assn., Fort Benton, Mont., wants license transmission line within Jefferson Natl. Forest, Cascade Co.

802—San Joaquin Light & Power Corp., Power Co. Bldg., wants license constructing transmission line within Stanislaus Natl. Forest, and on public lands in Mariposa Co.

803—Pacific Gas & Electric Co., 245 Market St., San Francisco, Calif., wants license power project, incl. 3 reservoirs, 2 power houses and appurtenant water conduits and transmission lines within Lassen Natl. Forest on west branch North Fork, Feather River and Butte Creek, Butte Co.

804—E. Allen, 111 West Jackson Blvd., Chicago, Ill., wants preliminary permit power project on Great South Fork of Cumberland River, Creary Co., Ky., and Scott Co., Tenn.

805—New-Kanawha Power Co., Glen Ferris, W. Va., wants prelimnary permit power development in connection with proposed U. S. Government navigation improvements on Kanawha River, Fayette and Kanawha Counties.

806—Potomac River Corp., 7 West 10th St., Wilmington, Del., wants preliminary permit power project incl. 4 storage dams and power houses at 3 points, on Potomac River and its tributaries, in Dist. of Columbia, Jefferson, Berkley, Morgan, Hampshire, Hardy and Pendleton Counties, in West Virginia, Montgomery, Frederick and Washington Counties, in Maryland, Fairfax, Loudoun, Clark, Warren and Rockingham Counties, Virginia.

807 — Gorman Packing Corp., Seattle, Wash., wants license partially constructed power project on unnamed creek in Knight Island Chugach Natl. Forest, 3rd Judicial Dist., Alaska.

808—Bd. Directors State Institutions of Arizona, Phoenix, Ariz., wants preliminary permit power project on Colorado River in Yuma and Mohave Counties, Ariz., and San Bernardino Co., Calif., small portion of which affects Colorado River Indian Reservation.

809—Interstate Pub. Serv. Co., 129 East Market St., Indianapolis, Ind., wants preliminary permit power project consisting dam, power house and transmission lines, on East Fork White River, in Dubois Co.

810 — Sherman Electric Co., Portland, Ore., wants license partly constructed transmission line on public land in Sherman and Gilliam Counties.

Unclassified

Proposed Work

Automatic Fire Sprinklers—Binghamton, N. Y.—Dept. Mental Hygiene, Capitol, Albany, takes bids probably in July, automatic fire sprinklers at Binghamton State Hospital, here.

Greenhouse Extensions—Ithaca, N. Y.—Dept. Educ., Education Bldg., Albany, takes bids probably in July, extending easterly greenhouses at Cornell University, here. S. W. Jones, Capitol, Albany, state archt. Noted May 17.

Athletic Field — New York, N. Y. — Bd. Educ., 500 Park Ave., plans athletic field for George Washington High School, Audubon Ave. $125,000 appropriated. Noted Mar. 18, 1926 under "Buildings—Educational, Religious."

Stadium — Bayonne, N. J. — Bd. City Comrs., City Hall, rejected bids Apr. 19, 1 story stadium, on Boulevard between West 25th and 27th Sts. $200,000. Will readvertise. Osborne Eng. Co., 7016 Euclid Ave., Cleveland, O., engrs. Noted May 5.

Swimming Pool and Bowling Alleys—Phila., Pa.—See "Buildings—Commercial."

Hydro-Electric Development — Wash., D. C.—Potomac River Corp., R. J. Bulkley, pres. Bulkley Bldg., Cleveland, O., made preliminary surveys hydro-electric development, incl. two 100 ft. dams and power stations, etc. along Potomac River, near here. $60,000,000. F. W. Ballard, Bulkley Bldg., Cleveland, O., engr.

Transmission Line—Tennessee—Davidson Light & Power Co., Springfield, plans electric transmission line from Camden to various other towns in Benton Co. To exceed $25,000.

Dock and Warehouse — Cleveland, O. — Cleveland Ry., Harbor & Terminal Co., F. E. Blumenthal of Detroit Ry. & Harbor Terminal Co., Detroit, Mich., and S. E.

Constr. News page 412

Unclassified (Continued)

Dettlebach, Williamson Bldg., having plans prepared by A. Kahn, 1004 Marquette Bldg., Detroit, Mich., brick and rein.-con., foot of East 55th St., here. $12,000,000. Moores & Dunford, 110 East 42nd St., New York City, engrs.

Grand Stand, Race Track, etc.—East St. Louis, Ill. — Illinois Breeders Assn., c/o A. N. Elrod, genl. mgr., Metropolitan Bldg., soon takes bids rein.-con. and steel grandstand, 425 ft. long, 5,000 seating capacity, club house, stables, 1 mi. race track on 218 acre tract, near here. $500,000. G. B. Holcombe, Bloomington, engr. Noted June 2.

Telephone Lines—Kewanee, Ill.—Illinois Telephone Co., Kewanee, plans extensive changes and improvements on telephone lines and switchboards, etc. $100,000. F. H. Ashe, Kewanee, mgr.

Land Development—Manchester, Mo.—J. M. Solley, Louisville, Ky., making plans developing 240 acres, incl. grading, sewers and macadam paving Manchester and Sulphur Springs Rds., here. Keck Surveying Co., 806 Chestnut St., St. Louis, engrs.

Tunnel—Piedmont, Mo. — Black River Hydro-Electric Co., W. A. Fuller, secy., Ry. Exch. Bldg., St. Louis, soon takes bids 14 ft. concrete lined tunnel approximately 600 ft. long with steel penstock, and additional distance of approximately 130 ft. to power plant, suitable intake controlling gates at entrance of tunnel, etc., 40 x 120 ft. power plant, 60 ft. high, equipped with traveling crane. W. A. Fuller Co., Ry. Exch. Bldg., St. Louis, engrs.

Street Lighting System—St. Louis, Mo.—Grand Boulevard Impvt. Assn., S. B. Lovejoy, executive secy., 1086 Arcade Bldg., takes bids in July, street lighting system, incl. 112 pressed steel standards complete with glassware, cables, etc., on Grand Blvd. between Easton and Laclede Aves. $56,456. Private plans.

Power and Light Extensions, etc.—Batesville, Ark.—Arkansas Power & Light Co., Pine Bluff, making preliminary plans new high voltage lines, transformer station, extending distribution system and watermains in various streets. $750,000. Private plans.

Transmission Lines — Texas — Central Power & Light Co., S. M. Udden, mgr., c/o Frost Bldg., San Antonio, making plans, etc. transmission line to connect with line at Schulenburg. $40,000. Private plans.

Telephone System—San Antonio, Tex.—Central Power & Light Co., Frost Bldg., c/o E. B. Neiswanger, having plans prepared telephone system to Winter Garden Dist., near here. $200,000. Private plans.

Transmission Line—Wichita Falls, Tex.—Texas Electric Serv. Co., c/o J. W. Carpenter, vice pres., making plans 150 mi. high tension electric power transmission line west of here. $500,000. Private plans.

Gas Pipe Line—Oklahoma and Texas—Phillips Petroleum Co., Bartlesville, Okla., made plans 105,000 ft. 6 in. steel gas pipe line from gas fields at Bartlesville, Okla. to compressor plant near Borger, Tex. $175,000. A. H. Riney, Bartlesville, Okla., engr.

Gas System, etc.—Oklahoma—Consumers Gas Co., Grandfield, plans 27,000 ft. 4 in. steel gas pipe line from Grandfield to Duval and natural gas system in Grandfield. $35,000. Private plans.

Gas Line, etc.—Oklahoma—Quinton Oil & Gas Co., Quinton, franchise election June 27, 5 mi. gas line from Quinton to Stigler and distribution system in Stigler. $30,000. Private plans.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, making surveys 50 mi. 33,000 volt transmission line from Harrah plant to Shawnee and Maud. $75,000. Bylesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Stone Quarry and Crusher — Bromide, Okla.—Dolese Bros., 11 West 13th St., Oklahoma City, made plans new motor driven stone crusher and quarry 1,000 tons daily capacity. $400,000. Private plans.

Tunnel — Seattle, Wash. — Made plans diversion tunnel at Diablo Canyon to empty Skagit River water at that point. $85,000. W. C. Morse, city engr. Noted May 26.

Oil Pipe Line—California—Shell Co. of California, 200 Bush St., San Francisco, plans 10 in. pipe line from Coalinga, Fresno Co. to Taft, Kern Co. with 8 in. lateral into Mt. Poso oil fields. To exceed $2,000,000.

Wharf—Ventura, Calif.—F. Meline Co., 706 South Hill St., Los Angeles, plans 525 ft. wharf, 40 ft., at ocean end, here.

Bids Desired

Pipe Line and River Crossing—Springfield, Mass.—July 20, by Bd. Water Comrs., 7 mi. pipe line and river crossing. Contrs. 8 and 9. E. E. Lochridge, Springfield, ch. engr. Hazen & Whipple, 25 West 43rd St., New York City, civil engrs.; adv. E. N.-R. June 23.

Tunnel—Springfield, Mass.—July 21, by Bd. Water Comrs., 1,550 ft. 12 ft. tunnel through rock and rock fill dam to divert Little River Water through tunnel. E. F. Lockridge, Springfield, ch. engr. Hazen & Whipple, 25 West 43rd St., New York City, consult. engrs.; adv. E. N.-R. June 23.

Borings—New York, N. Y.—July 1, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., borings along 6th Ave. and West Houston St., Agreement "FP," Manhattan Boro.

Operating Equipment—New York—July 1, by A. Goldman, comr. Plant & Structures, Municipal Bldg., New York City, operating equipment Type "A" or "B," at Slips 1 and 2, foot Whitehall St., Manhattan Boro, and Slips 1, 3 and 4, St. George Ferry Terminal, Richmond Boro.

Removing Column—New York, N. Y.—July 1, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., removing roadway column of elevated railroad structure at Nagle Ave. and Dyckman St., Agreement "FI," Manhattan Boro.

Culverts—Iowa—See "Bridges."

Telephone Extensions—St. Louis, Mo.—See "Contracts Awarded."

Swimming Pool—Olney, Tex.—See "Contracts Awarded."

Undergrade Crossing — California—July 5, by State Hy. Comn., Sacramento, undergrade crossing under Southern Pacific R.R. tracks, incl. grading, 2 concrete abutments, etc., at Mossdale, San Joaquin Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Contracts Awarded

Coal Bunker—Arlington, Mass.—Arlington Gas Light Co., 689 Massachusetts Ave., coal bunker, concrete and steel, 55 Grove St., to Underwood Mchy. Co., 110 Mt. Vernon St., South Boston. Engrs. est. $25,000.

Fence—Dorchester (br. Boston), **Mass.**—Boston, Transit Dept., 1 Beacon St., 2 sections woven wire fence, foundations and curbings, concrete posts, etc., here, to J. A. Singarella, 110 High St., Boston, $34,263, and 1 section, to A. G. Tomasello & Son, Inc., 68 Devonshire St., Boston, $9,153.

Storage Station—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., general contract storage station, Ireland Mill Rd. near Cameron St., to Balaban Gordon Co., 116 West 39th St., New York City, $43,660. Noted May 28.

Plumbing and Heating—New York, N. Y.—Bd. Educ., 500 Park Ave., New York City, plumbing in DeWitt Clinton High School, to J. E. Kahn, 222 West 20th St., $170,860; and heating, to D. J. Rice, Inc., 405 Lexington Ave., $323,387. Noted June 2.

Heating Work — Springfield Gardens (mail Jamaica), **N. Y.** — Bd. Educ., 500 Park Ave., New York City, heating work in P. S. 37, to D. J. Rice, Inc., 405 Lexington Ave., New York City, $63,900. Noted June 2.

Causeway—Manteca, N. C.—Dare Co., 3 mi. causeway, to H. C. Lawrence, New Bern, $45,000.

Cotton Compress—Homer, La.—C. O. Ferguson, cotton compress, brick and steel, to E. N. Phillips, San Antonio, Tex. Engrs. est. approximately $75,000.

Culvert—Cleveland, O.—For 1,718 ft. 6½ ft. circular brick culvert in Burke Brook, to W. McDowell & Son, 4120 East 104th St., $66,638.

Retaining Wall—Cleveland, O.—Cleveland Union Terminal Co., Marshall Bldg., rein.-con., retaining wall, Hill and Commercial Rds., to Marsh Hart Co., 11809 Mayfield Rd. Engrs. est. $50,000.

Stadium — Muskegon, Mich. — Hackley Field Stadium Corp., Hackley School, general contract 354 ft. rein.-con. stadium, 62 ft. wide, 31 ft. high, 6,263 seating capacity, to Sorenson & Gross, 544 Houseman Bldg., Grand Rapids, $48,163. Noted May 19.

Culverts, etc.—West Union, Ia.—Fayette Co., 17 culverts and extensions, to T. Fisko, Garber, $5,900; and 34 culverts and extensions, to J .B. Elliott, Independence, $21,284.

Telephone Extensions—St. Louis, Mo.—Southwestern Bell Telephone Co., 11th and Pine Sts., will construct 2 central cables, one along Virginia St. between Marceau St. and Alabama Ave., and other along Bway. between River Des Peres and Ripa Ave., incl. 272 poles, 100 mi. aerial wire, also removing 263 poles, 3 mi. aerial cable and 81 mi. aerial wire, etc., by own forces. $78,000. Private plans.

Pipe Line—Texas—Transcontinental Oil Co. and Mid-Kansas Oil & Gas Co., McCamey and Wichita Falls, 27 mi. 8 in. pipe line in Pecos Co., to Illinois Pipe Line Co., Findlay, O., approximately $200,000.

Swimming Pool — Olney, Tex. — B. F. Butler & E. F. Evans will build 70 x 120 ft. rein.-con. swimming pool, 2 to 10 ft. deep, by day labor. $30,000. Private plans.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Wilshire Blvd. between Park View and Fairfax, to Paulson Constr. Co., 614 Detwiller Bldg., $348,462.

Stadium, Pasadena, Calif.—Tournament of Roses Assn., H. W. Hall, secy., reconstructing and constructing addition to Rose Bowl Stadium, increasing from 52,400 to 76,000 seating capacity, etc., to W. A. Taylor & Son, 32 West Union St. Archts. est. $150,000.

Grain Elevator—Halifax, N. S.—Dept. Railways & Canals, Ottawa, Ont., enlarging galleries and towers between elevator and shipping berth, incl. scales, electrical appliance, etc., here, to E. C. M. Cape Co., Ltd., 10 Catheart St., Montreal, Que. $151,550.

Materials

Proposed Work

Cable—Marion, Mass.—H. W. Bennett plans purchasing 500 ft. one piece, and 1,000 ft. one piece all steel cable.

Bids Desired

Ties and Timber—New York, N. Y.—July 1, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., supply untreated ties and timber for use in constructing part 14th St.-Eastern Line, (Order 18).

Steel Pipes and Tubes, etc.—Phila., Pa.—June 27, by C. E. Walsh, purch. agt., Pennsylvania R.R. Co., 15 North 32nd St., West Phila. steel pipes and tubes, Contr. 73-1927; tie plates, joint bars, etc., Contr. 74-1927; and guard rail clamps, Contr. 75-1927.

Steel Plates, Bars, Shapes, etc.—Phila., Pa.—June 28, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., steel plates, bars and shapes, Contr. 76-1927; and steel sheets, Contr. 77-1927.

Wheels and Rails—Phila., Pa.—July 1, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., wheels and rails, Contr. 80-1927.

Wire Rope and Basic Wire, etc.—Phila., Pa.—June 30, by S. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., wire rope, strand, lime coated and basic wire, Contr. 78-1927; also frogs and crossings, etc., Contr. 79-1927.

Reinforcing Steel—Chicago, Ill.—June 29, by City, Room 406, City Hall, 120 tons reinforcing steel bars of structural grade at Municipal Power Plant. R. W. Wolfe, comr. Pub. Wks.

Rock, Gravel, etc.—Los Angeles, Calif.—July 11, by M. B. Beatty, clk., Los Angeles Co., Proposal 1, 810,000 tons sand, 665,000 tons 1¼- to 3-in. gravel and crushed rock, 1,000 000 tons 3- to 10-in. gravel, crushed rock and cobbles; also Proposal 2, 1,620,000 tons 0- to ¼-in. sand, 1,330,000 tons 1¼ to 1¼-in. gravel and crushed rock, 1,550,000 tons 1¼- to 3-in. gravel and crushed rock, 2,000,000 tons 3- to 10-in. gravel, crushed and cobbles, for San Gabriel Canyon Dam project, delivered f.o.b. cars on sidings of Flood Control Dist.

Bids Received

Filler—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., June 17, 600 tons asphaltic joint filler, from Standard Oil Co. of New York, 26 Bway., New York City, $13,620. Noted June 16.

Contracts Awarded

Wires and Cables—Milwaukee, Wis.—Central Bd. Purchases, J. W. Nicholson, ch. buyer, 167,000 ft. steel taped and lead covered wires and cables, to Julius Andrae Sons Co., 362 Bway., $24,848. Noted May 26.

Gravel or Broken Stone — Minneapolis, Minn.—F. S. Gram, city purch. agt., 15,000 cu.yd. gravel or broken stone, in Dists. 1 and 2, to Gopher Stone Co., 1500 Johnson St. N. E., $2.20 and $2.25 per cu.yd. respectively; Dists. 3 and 4, to Cedar Avenue Gravel Co., Cedar Ave. at Minnesota River (Minneapolis P. O.), $2.10 per cu.yd. Noted Apr. 21.

See proposal advertising on page 136

Constr. News page 413

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Reservoir—Mansfield, Ohio

Bids were opened by City, May 20, (lowest three) for constructing 6,000,000 gal. concrete covered storage reservoir, from (A) Rice-Jones Co., 1836 Euclid Ave., Cleveland; (B) Pitt Construction Co., Pittsburgh, Pa.; (C) Jacob Wolf Co., Mansfield. The unit bids are as follows:

	A	B	C
8,700 cu.yd. excav. and embankment	$0.80	$1.50	$1.05
11,500 sq.yd. loam and seeding	.10	.25	.30
300 cu.yd. concrete class "A" (footers and misc.)	13.00	14.00	11.03
800 cu.yd. concrete, class "B" (walls)	20.00	14.00	19.74
1,300 cu.yd. concrete class "C" (floor)	13.00	14.00	12.38
1,250 cu.yd. concrete class "D" (roof)	13.00	14.00	21.57
325 class "E" (columns)	13.00	14.00	19.05
Reinforcing steel per lb.	.04	.04	.035
Cast iron pipe (lump sum)	4,025.00	4,500.00	3,558.68
Valves (lump sum)	400.00	600.00	627.80
Vit. pipe work (lump sum)	1,500.00	2,000.00	1,153.22
Tile drain, (lump sum)	200.00	250.00	261.47
Misc. Iron, lump sum	200.00	250.00	158.40
Gate House superstructure (lump sum)	1,400.00	2,000.00	2,039.40
Fence (lump sum)	1,600.00	2,000.00	1,990.83
Level recorder system (lump sum)	2,700.00	2,000.00	2,790.21
Totals	$94,610	$102,315	$108,585

Tunnel—Rutland, Mass.

Bids were opened by Metropolitan District Water Supply Commission, Boston, Mar. 25, (lowest four and highest) for Contract No. 4, sinking shaft No. 5 for Wachusett-Coldbrook Tunnel, from (A) James J. Coughlan & Sons, Inc., 27 School St., Boston, (awarded contract); (B) Dravo Contracting Co., Pittsburgh; (C) Bruno & Petitti, Boston; (D) Mason & Hanger Co., Inc., New York City; (E) V. J. Grande, Boston. The unit bids are as follows:

	A	B	C	D	E
190 cu.yd. earth excav.	$6.50	$13.50	$10.00	$19.50	$100.00
5,780 cu.yd. rock excav. in shaft and tunnel	14.90	16.00	20.00	19.50	60.00
744 lin.ft. drainage, in shaft and tunnel	22.20	13.50	2.00	1.00	20.00
632 lin.ft. forms, for shaft lining	15.75	18.00	5.00	5.00	20.00
1,540 cu.yd. concrete shaft lining	11.55	12.00	15.00	17.00	30.00
2,400 bbl. portland cement, for concrete and grout	2.60	3.00	3.00	3.50	4.00
Totals	$137,855	$142,145	$153,448	$154,899	$449,120

Tunnel—Detroit, Mich.

Bids were opened by Board of Water Commissioners, May 11, for section No. 4 of Springwells Tunnel, from (A) Mark R. Hanna Co., Ryan Rd. and Nevada Ave., Detroit (awarded contract); (B) Nash Bros., Chicago; (C) S. A. Healy, Detroit; (D) G. R. Cooke Co, Detroit; (E) Hoag & Rollins, Inc., Louisville; (F) J. A. Mercier Co., Detroit; (G) Julius Porath & Son, Detroit. The unit bids are as follows:

	A	B	C	D	E	F	G
689 cu.yd. shaft excavation	$20.00	$15.00	$15.00	$15.00	$26.00	$18.00	$12.00
Air-comp. plant (lump sum)	25,000.00	7,000.00	15,000.00	15,000.00	12,500.00	15,000.00	18,000.00
50,155 cu.yd. tunnel excavation	6.00	6.80	6.00	6.00	6.70	7.60	8.00
20,101 cu.yd. tunnel concrete	15.85	15.90	17.30	19.00	18.32	17.50	20.00
19,970 cu.yd. tunnel brick mas.	.....	.....	.....	.....	.....	.....	28.00
1,800 bbl. grout	5.00	4.90	6.00	1.00	5.00	5.00	6.00
60 cu.yd. shaft concrete	30.00	20.00	25.00	20.00	25.00	20.00	20.00
639 cu.yd. shaft backfill	2.00	3.00	3.00	2.00	2.50	2.00	1.00
80 M.B.M. timber ordered left in place	50.00	35.00	60.00	10.00	40.00	30.00	40.00
65,000 lb. reinforcing steel	.06	.06	.07	.07	.06	.06	.05
20 cu.yd. miscellaneous excavation	10.00	8.00	10.00	10.00	10.00	10.00	10.00
10 cu.yd. miscellaneous concrete	30.00	20.00	25.00	20.00	25.00	20.00	20.00
278 ft. alignment holes	6.00	5.00	6.00	7.00	6.00	7.50	5.00
Engineer's office (lump sum)	6,000.00	4,000.00	5,000.00	6,000.00	5,078.72	5,000.00	6,000.00
Cleaning up (lump sum)	1,000.00	4,198.50	5,000.00	7,500.00	5,000.00	3,000.00	5,000.00
Totals Concrete	$687,457	$706,580	$709,697	$733,658	$766,097	$788,610	$861,407
Brick	.....	.....	.....	.....	.....	.....	$1,018,547

Power Plant—Fremont, Nebr.

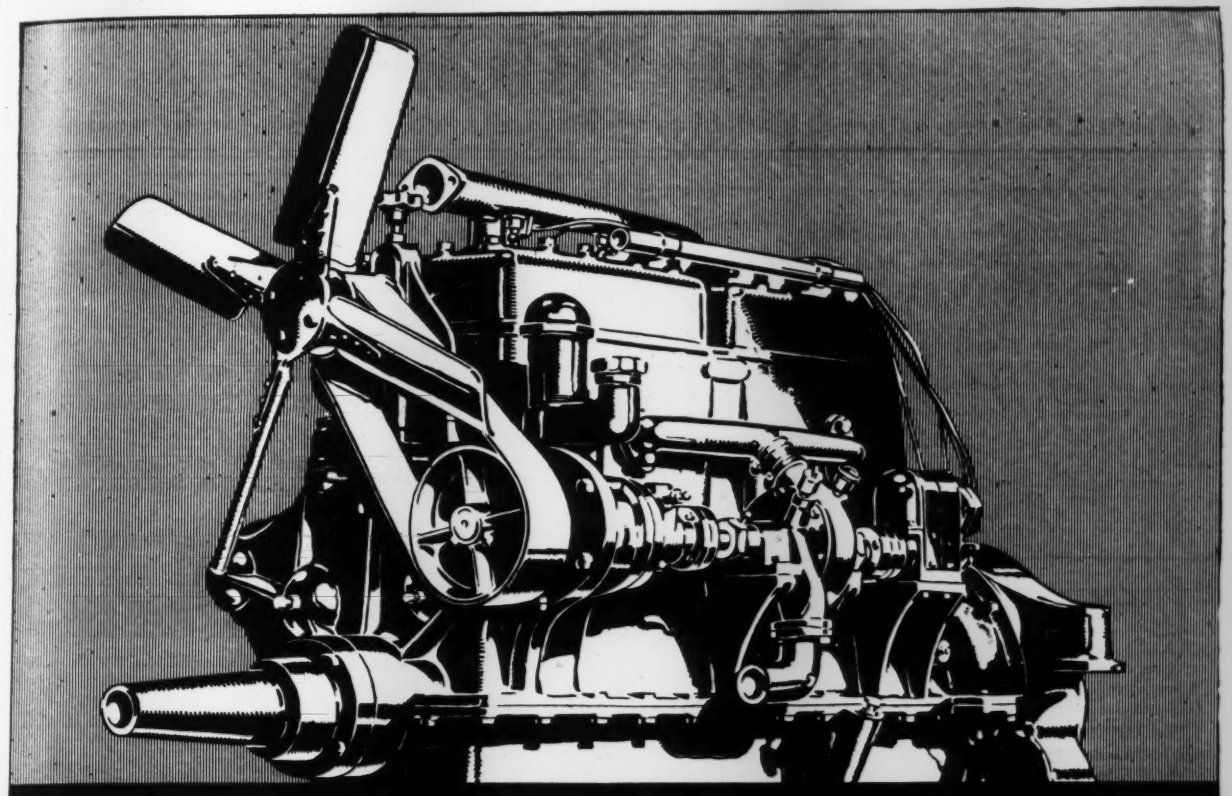
Bids were opened by City Mar. 15, for constructing addition to power plant, Sect. No. 8, from (A) G. M. Robertson Co., Lincoln; (B) H. Ohlsen & Sons, David City (awarded contract); (C) J. H. Keefe, Sioux City; (D) Estergard & Bullard, McCook; (E) Lovering-Long-Botham Co., St. Paul; (F) Ernest Rokahr & Sons, Lincoln; (G) G. P. Reintjes Co., Kansas City; (H) L. B. Woerth Co., Columbus; (I) Donovan Construction Co., St. Paul, Minn.; (J) Peter Kiewits & Sons, Omaha; Sect. No. 9, from (A) Commonwealth Electric Co., St. Paul, Minn.; (B) R. Whitfield, Fremont; (C) O. H. Warwick, Chicago; (D) McCabe Construction Co., Cincinnati, O.; (E) LaCroix Construction Co., Kansas City, Mo.; (F) G. P. Reintjes, Kansas City; (G) Rau Construction Co., Kansas City, (awarded contract); (H) W. F. Hoye, Omaha; (I) Peter Kiewits & Sons, Omaha. The bids are as follows:

General Contract and Boiler Brickwork Section No. 8	A	B	C	D	E	F	G	H	I	J
Lump sum	$105,069.00	$94,785.00	$88,000.00	$95,300.00	$93,876.00	$96,000.00	$84,874.00	$99,882.00	$84,860.00	$98,930.00
1,970 yds. earth excav.—per cu.yd.	2.00	* 1.60	** 1.00	1.50	*** 2.20	2.00	**** 2.00	1.00	1.85	2.00
569 yds. concrete—per cu.yd.	10.00	15.00	14.00	13.80	16.00	15.00	21.00	11.00	9.65	16.50
	No forms				Foundation only			No forms		
50,800 lb. reinf. steel	.05	.0366	.035	.035	.04	65.00 a ton	.06	.04	.0425	.035
Start work	10 days	10 days	10 days	5 days	15 days	10 days	10 days	15 days	10 days	10 days
Complete work by	Aug. 15	Aug. 15*	Aug. 15**	Aug. 15	Sept. 15***	10 months	Sept. 1****	Nov. 15	Sept. 15	Nov. 1
Section 9— Boiler Brickwork Labor										
Lump sum		$2,640.00	$2,139.00	$2,400.00	$2,225.00	$2,125.00	$2,496.00	$1,600.00	$1,890.00	$2,800.00

* Note: Contract awarded for $87,600.00. Does not include labor, or Beaumont equipment, removing old boilers, or insulation on boiler drums.
** Note: If old boiler is removed by others deduct $300.00.
*** Note: $500.00 deduct for not removing old boiler.
**** Note: Add labor plus 15% for Beaumont. Add cost + 15% for sump pump and steam piping. (Insulation excepted).

Constr. News Page 414

UNIT PRICES ***continued on page 414a***



HERCULES

Put in gasoline, oil and water!

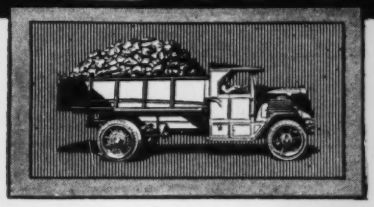
Take out years and thousands of miles of service!

That's HERCULES.

That's why manufacturer, dealer, owner and driver are unanimous and so enthusiastic about Hercules Engines.

HERCULES MOTORS CORPORATION
CANTON, OHIO, U. S. A.

ENGINES



UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Bridge—Akron, Ohio

Bids were opened by Commissioners of Summit Co., May 13, (lowest three) for constructing Bridge No. 32-B-19, on Boston Mills-Hudson Rd., from (A) O. C. Harbaugh; (B) The Stevens Construction Co.; (C) E. J. Landor. The unit bids are as follows:

	A	B	C
Removing old wooden spans and top of masonry piers and abut.	$300.00	$300.00	$880.00
320 cu.yd. excav. including backfill.	0.50	0.50	0.85
170 cu.yd. 1-2-3 concrete.	19.00	20.00	20.00
1 m.ft.b.m. white oak lumber.	80.00	80.00	120.00
20,000 lb. reinforcing steel.	0.045	0.05	0.04
192,000 lb. structural steel.	0.06	0.06	0.0555
Temporary sidewalk (lump sum).	300.00	300.00	682.00
8 cast iron scuppers.	10.00	10.00	7.00
Totals.	$16,570	$16,840	$16,866

Bridges—Washington

Bids were opened by State Highway Department, Olympia, May 10, (lowest three) for constructing Denny Creek-Camp Mason Bridges on State Road No. 2, King Co., from (A) King & Stillwell, 827 Henry Bldg., Seattle, (awarded contract); (B) Ward Construction Co., Tacoma; (C) MacRae Bros., Seattle. The unit bids are as follows:

	A	B	C
800 cu.yd. structure excav.	$2.95	$5.00	$5.50
310 cu.ft. concrete class "A" in place	37.00	31.00	34.50
163 cu.yd. concrete class "B" in place	33.00	29.00	31.00
73 cu.yd. concrete class "C" in place.	25.00	27.50	28.00
175 cu.yd. concrete class "E" in place	25.00	24.00	29.00
64,650 lb. steel reinf. bars in place	.06	.07	.045
350 lb. bronze expansion plates in place	.60	1.00	.50
20 cu.yd. sack rip rap in place.	15.00	25.00	22.00
Totals.	$29,798	$29,920	$30,791

Sewers—Amarillo, Tex.

Bids were opened by City, May 12, for constructing sanitary sewers in North Amarillo, from (A) Kirkwood, Wharton & Lee, 231 West Commerce St., San Antonio, (awarded contract); (B) Spotts & Malcolm, Amarillo; (C) McCall Engineering Co., Waco; (D) Walker & Elder; (E) Gordon Construction Co.; (F) Sherman Machine & Iron Works. The unit bids are as follows:

Furnish Material F.O.B. Amarillo	A	B	C	D	E	F
11,600 ft. 18 in. vitrified clay sewer pipe	$1.071	.....	$1.07	$1.00	.....	$1.07
11,600 ft. 18 in. concrete sewer pipe (alt.)		.....		.95	....	1.15
914 ft. 10 in. vitrified clay sewer pipe	.441	.....	.45	.40	....	.44
914 ft. 10 in. concrete sewer pipe (alt.)		.....			....	.38
14 18 ft. x 6 in. vitrified tees and stoppers	4.864	.....	4.87	3.00	....	4.30
14 18 ft. x 6 in. concrete tees and stoppers (alt.)		.....		3.00	....	4.30
14 10 ft. x 6 in. vitrified tees and stoppers	2.029	.....	2.03	1.50	....	2.00
14 10 ft. x 6 in. concrete tees and stoppers (alt.)		.....			....	2.00
5860 ft. 8 in. vitrified clay sewer pipe	.30	.....	.30	.27	....	.30
41,504 ft. 6 in. vitrified clay sewer pipe	.19½	.....	.20	.18	....	.20
17 8 ft. x 6 in. vitrified tees and stoppers	1.394	.....	1.40	1.00	....	1.35
646 6 ft. x 6 in. vitrified tees and stoppers	.814	.....	.82	.80	....	.80
Hauling and installing in open ditch.						
9,360 ft. 18 in. vitrified clay sewer pipe	.15	.27	.50	.25	.30	.32
9,360 ft. 18 in. concrete sewer pipe (alt.)		.30	.60	.25	....	.36
2,340 ft. 18 in. vitrified clay pipe IN TUNNEL	.50	.36	.65	.40	.90	.60
2,340 ft. 18 in. concrete pipe IN TUNNEL (alt.)		.40	.75		....	.70
914 ft. 10 in. vitrified clay pipe	.09	.15	.14	.15	.15	.18
914 ft. 10 in. concrete pipe (alt.)		.18	.18		....	.20
14 18 ft. x 6 in. vitrified tees and stoppers	.50	.50	.75	1.00	2.00	2.00
14 18 ft. x 6 in. concrete tees and stoppers (alt.)		.55	.90	1.00	....	2.00
14 10 ft. x 6 in. vitrified tees and stoppers	.25	.50	.30	.50	1.00	.50
14 10 ft. x 6 in. concrete tees and stoppers (alt.)		.55	.40		....	.50
5,260 ft. 8 in. vitrified clay sewer pipe	.08	.10	.10	.12	.10	.14
40,114 ft. 6 in. vitrified clay sewer pipe	.05	.10	.08	.10	.10	.10
646 6 ft. x 6 in. vitrified clay tees and stoppers	.15	.50	.20	.25	.40	.50
17 8 ft. x 6 in. vitrified clay tees and stoppers	.18	.50	.25	.30	.50	.50
1,300 ft. 6 in. vitrified clay riser pipe	.08	.20	.18	.15	.12	.15
65 standard manholes with C. I. cover (1st 4 ft.)	60.00	40.00	50.00	48.00	50.00	32.00
311 additional ft. manholes, over 4 ft.	8.00	7.00	6.00	6.00	5.00	6.00
5 special manholes (5 ft.) in tunnel (1st 25 ft)	340.00	200.00	325.00	180.00	300.00	200.00
40 additional ft. manhole in tunnel, over 25 ft	12.00	10.00	11.00	7.00	15.00	15.00
Trench and backfill for 18 in. pipe						
644 ft. trench 4 to 6 ft. deep	.25	.28	.19	.30	.20	.30
1,214 ft. trench 6 to 8 ft. deep	.30	.35	.26	.40	.25	.42
1,079 ft. trench 8 to 10 ft. deep	.45	.45	.34	.50	.40	.54
586 ft. trench 10 to 12 ft. deep	.55	.54	.40	.60	.45	.72
870 ft. trench 12 to 14 ft. deep	.65	.63	.53	.75	.65	.84
513 ft. trench 14 to 16 ft. deep	.75	.72	.61	.90	.85	.96
1,927 ft. trench 16 to 18 ft. deep	1.00	.90	.91	1.10	1.05	1.20
1,995 ft. trench 18 to 20 ft. deep	1.25	1.20	1.40	1.35	1.15	1.50
407 ft. trench 20 to 22 ft. deep	1.50	1.54	1.93	1.70	1.45	2.00
184 ft. trench 22 to 24 ft. deep	2.00	1.92	2.75	2.10	2.00	2.50
2,240 ft. tunnel 24 to 40 ft. deep	5.00	4.80	4.35	4.00	4.75	4.95
Trench and backfill for 6, 8 and 10 in. pipe						
29,121 ft. trench 4 to 6 ft. deep	.12	.18	.15	.25	.20	.18
8,983 ft. trench 6 to 8 ft. deep	.14	.24	.20	.30	.25	.26
4,757 ft. trench 8 to 10 ft. deep	.18	.30	.25	.40	.40	.36
2,432 ft. trench 10 to 12 ft. deep	.28	.36	.34	.55	.45	.48
280 ft. trench 12 to 14 ft. deep	.38	.42	.46	.70	.65	.70
723 ft. trench 14 to 16 ft. deep	.50	.48	.61	.80	.85	.90
Open rock excavation, per yd	6.50	4.00	.....	6.00	.....	4.95
Tunnel rock excavation, per yd	10.00	10.00	.....	10.00	.....	8.95
Totals	$62,368	$66,068	$66,585	$69,001	$69,692	$70,149

Note: Successful bidders submitted following alternates for concrete pipe—
18 in. pipe in tunnel 20c. per lin.ft. extra
18 in. pipe in trench 16½c. per lin.ft. extra
10 in. pipe in trench 10c. per lin.ft. extra
45 extra days time on completion of project.

Constr. News Page 414a